D3.1 Set of stellar and wind parameters

This deliverable summarises the results in terms of stellar and wind parameters, as well as parameters related to circumstellar matter obtained for the massive stars in diverse evolutionary states, studied during the POEMS project implementation. For each, reference to the publication, in which these results were obtained, is given. The objects are grouped with respect to category.

Yellow hypergiant stars				
Object	Spectral Type	Reference	Parameters	Comments
HD 7583		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 9800 K, log (L/L_{sun}) = 5.77, A_v =0.69 (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
HD 33579		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 9000 K, log (L/L_{sun}) = 5.94, A_v =0.69 (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
HR 179821		van Generen et al. (2019) - A&A https://doi.org/10.1051/0004-6361/201834358	Blue loop: Range in log T_{eff}: 3.69-3.83 Range in log L/L_{sun}: 5.20-5.10 Range in (B-V): 0.22	
HD 224014 (ρ Cas)	F8 - G0 to G5 0?	Glatzel & Kraus (2024) https://doi.org/10.1093/mnras/stae861	Pulsation periods between 16 - 292 d.	Analysis of strange mode instabilities
		Kraus et al. (2022) - IAUS https://doi.org/10.1017/S1743921322000060	T_{eff} = 7000 K log L/L_{sun} = 5.7 Mass ~ 24.1 M_{sun} Quasi-periods between 200 and 400 days.	
		van Generen et al.	Red loop:	

		(2019) - A&A https://doi.org/10.1051/0004-6361/201834358	Range in log T_{eff}: 3.72-3.66 Range in log L/L_{sun}: 5.48-5.54 Range in (B-V): 0.40	
HD 268757		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 4950 K, log (L/L_{sun}) = 5.64, A_v =0.92 (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
HD 269723		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 5800 K, log (L/L_{sun}) = 5.76, A_v =1.31 (2014-11) T_{eff} = 6000 K (2016-10) T_{eff} = 5800 K (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
	G4 0?	Glatzel & Kraus (2024) https://doi.org/10.1093/mnras/stae861	Pulsation periods ~750 d	Analysis of strange mode instabilities
HD 269953		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 7250 K, log (L/L_{sun}) = 5.79, A_v =1.28 (2014-11) T_{eff} = 7050 K (2015-10) T_{eff} = 7100 K (2016-07) T_{eff} = 7050 K (2016-10) T_{eff} = 7300 K (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
HD 270086		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 10150 K, log (L/L_{sun}) = 5.68, A_v =0.94 (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
HD 271182		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 6100 K, log (L/L_{sun}) = 5.65, A_v =0.66 (2016-12) T_{eff} = 6500 K (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
	F8 0?	Glatzel & Kraus (2024) https://doi.org/10.1093/mnras/stae861	Pulsation period ~750 d	Analysis of strange mode instabilities.

HD 271192		Kourniotis et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac386	T_{eff} = 10300 K, log (L/L_{sun}) = 5.48, A_v =0.68 (2017-08) T_{eff} = 10400 K (2017-08)	Spectra synthesis by Turbospectrum & MARCS.
HR 8752		van Generen et al. (2019) - A&A https://doi.org/10.1051/0004-6361/201834358	Red loop: Range in log T_{eff}: 3.72-3.70 Range in log L/L_{sun}: 5.25-5.38 Range in (B-V): 0.16 Blue loop: Range of log T_{eff}: 3.70-3.90 Range of log L/L_{sun}: 5.60-5.36 Range in (B-V): 0.64	
HR 5171A		van Generen et al. (2019) - A&A https://doi.org/10.1051/0004-6361/201834358	Red loop: Range in log T_{eff}: 3.70-3.65 Range in log L/L_{sun}: 5.40-5.30 Range in (B-V): 0.35	
[FMR2006] 15	G6 I	Kraus et al. (2023) - Gal. https://doi.org/10.3390/galaxies11030076	T_{CO} = 3000 K (ring temperature) N_{CO} = 2.0 x 10^{21} cm^{-2} (column density) v_{rot} = 0 - 20 km s^{-1} (rotation speed of the ring) $^{12}CO/^{13}CO$ = 4 (isotope abundance) R_* = 30 R_{sun} M_* = 25 M_{sun} $r_{CO}/(\sin i)^2$ = 218 R_*	CO molecular band fittings.
IRAS 17163-3907		Oudmaijer & Koumpia (2022) https://doi.org/10.1017/S1743921322000114	Varied mass-loss rates and maximum timescales from 30 yr up to 120 yr. For modelling Na I and Mg II emission: T ~ 6750 K, log n_H = 13.2 cm^{-3}, and ratio of thickness to radius ρ ~ 0.1. For modelling Brγ line profile T = 5000 to 5500 K, log n_H ~ 11.6 to 12.8 cm^{-3}. Modelled SED with black body at 8500 K plus 3	

			shells.	
IRC+10420	F8-G0 I	Koumpia et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac1998	v_{wind} in the range 30 - 100 km s^{-1} Opening angle of hour-glass geometry between 3° and 10°. No significant spectral variability over the last 25 yr.	

Supergiant B[e] stars				
Object	Spectral Type	Reference	Parameters	Comments
ARBD 54	A0-A1 I	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = 0.01 M_{bol} = -6.08 T_{eff} = 9500 K $\log(L/L_{sun})$ = 4.33 R/R_{sun} = 54	
Hen 3-938	B0-B1 I	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = -0.21 M_{bol} = -7.75 T_{eff} = 23400 K $\log(L/L_{sun})$ = 5.00 R/R_{sun} = 19	
Hen 3-1398	B0-1 Ia	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	Teff = 25000 K log g = 2.9 Mv = -6.43 Mbol = -8.62 Av = 2.39 log(L/Lsun) = 5.34 d = 8536 pc	BCD system. Proposed object type: sgB[e].
HD 62623	B9 Ib	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	Teff = 11136 K log g = 1.5 Mv = -6.25 Mbol = -6.75	BCD system. Proposed object type: sgB[e].

			Av = 1.09 log(L/Lsun) = 4.59 d = 662 pc	
MWC 137		Parida et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3626	Observed photometric period of 1.9 d obtained by pulsational modeling	Linear and non-linear numerical simulations
		Liimets et al. (2022) - Gal. https://doi.org/10.3390/galaxies10020041	$T_{nebular}$ = 10000 K $n_{electron}$ from 0 to 800 cm^{-3} $Mass_{nebular}$ from 15 to 245 M_{sun}	
		Kraus et al. (2021) - AJ. https://doi.org/10.1093/mnras/staa519	M_v = -7.2 d = 5.15 kpc Mass = 37 M_{sun} R = 25 R_{sun} log L/L_{sun} = 5.84 Age = 4.7 Myr Rotation rate $\Omega_{in}/\Omega_{crit}$ = 0.425 Period = 1.93 d	
MWC 314		Liimets et al. (2022) - Gal. https://doi.org/10.3390/galaxies10020041	Radial velocities for nebular lobes from -15 km s^{-1} to +40 km s^{-1}	
MWC 349A		Kraus et al. (2020) - MNRAS https://doi.org/10.1093/mnras/staa519	T_{CO} ~ 1500 K N_{CO} ~ 5 x 10^{20} cm^{-2}	Object proposed as a B[e] supergiant.
MWC 819		Liimets et al. (2022) - Gal. https://doi.org/10.3390/galaxies10020041		Unipolar lobe and possible jet.
LHA 120-S 12	B0.5 Ie	Kraus et al. (2023) - Gal. https://doi.org/10.3390/galaxies11030076	T_{CO} = 2800 K (ring temperature) N_{CO} = 1.5 x 10^{21} cm^{-2} (column density) v_{rot} = 27 km s^{-1} (rotation speed of the ring) $^{12}CO/^{13}CO$ = 20 (isotope abundance)	CO molecular band fittings.

			$R_* = 30\ R_{sun}$ $M_* = 25\ M_{sun}$ $r_{CO}/(\sin i)^2 = 218\ R_*$	
LHA 120-S59		Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$M_{bol} = -6.85$ $T_{eff} = 17500$ K $\log(L/L_{sun}) = 4.63$ $R/R_{sun} = 23$	
LHA 120-S 134		Kraus et al. (2023) - Gal. https://doi.org/10.3390/galaxies11030076	$T_{CO} = 2300$ K (ring temperature) $N_{CO} = 2.0 \times 10^{21}\ cm^{-2}$ (column density) $v_{rot} = 30\ km\ s^{-1}$ (rotation speed of the ring) $^{12}CO/^{13}CO = 15$ (isotope abundance) $R_* = 44\ R_{sun}$ $M_* = 40\ M_{sun}$ $r_{CO}/(\sin i)^2 = 192.7\ R_*$	CO molecular band fittings.

B[e] stars				
Object	Spectral Type	Reference	Parameters	Comments
[MA93] 1116	B1-B2 II/III/V	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0 = -0.25$ $M_{bol} = -5.99$ $T_{eff} = 21600$ K $\log(L/L_{sun}) = 4.29$ $R/R_{sun} = 10$	
CD-24 5721	O8 IV	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	Teff = 36667 K log g = 3.94 Mv = -4.50 Mbol = -7.00 Av = 2.29	BCD system. Proposed object type: Young B[e] / FS CMa.

			log(L/Lsun) = 4.69 d = 4245 pc Dust disk inner radii: 4.33-54.78 / 1.86-4.7 AU	
Hen 3-847	B6 IV	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	Teff = 15133 / 14905 K log g = 3.8 / 3.6 Mv = -1.00 / -1.25 Mbol = -2.00 / -2.17 Av = 1.30 / 1.12 log(L/Lsun) = 2.69 / 2.76 d = 1127 / 1440 pc Dust disk inner radii: 0.43-5.48 / 0.26-0.67 AU Dust disk inner radii: 0.47-5.94 / 0.28-0.71 AU	BCD system. Parameter estimates for different observations. Proposed object type: Young B[e] / FS CMa.
HD 53367	B0 III	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	Teff = 32113 K log g = 2.9 Mv = -4.6 Mbol = -6.77 Av = 1.30 log(L/Lsun) = 4.6 d = 1131 pc Dust disk inner radii: 3.9-49.36 / 1.71-4.3 AU	BCD system. Proposed object type: Young B[e] / FS CMa.
HD 58647	B9 IV	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	Teff = 12203 K log g = 3.4 Mv = -0.50 Mbol = -1.25 Av = 0.00 log(L/Lsun) = 2.39 d = 295 pc Dust disk inner radii: 0.31-3.88 / 0.2-0.5 AU	BCD system. Proposed object type: Slightly evolved B[e].
IRAS 07080+0605	A0-A1 II B0-B1 II/III/V	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = -0.01 M_{bol} = 3.06 T_{eff} = 9700 K T_{eff} = 10100 K $\log(L/L_{sun})$ = 0.67	

			R/R_{sun} ~ 1	
IRAS 07080+0605		Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = -0.28 M_{bol} = 3.06 T_{eff} = 26000 K $\log(L/L_{sun})$ = 0.67 R/R_{sun} ~ 1	
IRAS 07377-2523	B8-B9	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	T_{eff} = 12000 K M_{bol} = -2.40 T_{eff} = 12000 K $\log(L/L_{sun})$ = 2.86 R/R_{sun} = 6	
IRAS 07455-3143	~B8	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	T_{eff} = 12500 K M_{bol} = -8.07 T_{eff} = 12500 K $\log(L/L_{sun})$ = 5.12 R/R_{sun} = 78	
IRAS 17449-2320	A0-A2 A1-A2 II/III	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	T_{eff} = 9500 K T_{eff} = 10700 K	
IRAS 17449+2320		Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = 0.03 M_{bol} = 0.35 T_{eff} = 9350 K $\log(L/L_{sun})$ = 1.75 R/R_{sun} ~ 3	
LHA 115-N82	B8-B9 II/V A0-A2 III	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = -0.09 $(B-V)_0$ = 0.06 M_{bol} = 3.06 M_{bol} = -4.69 T_{eff} = 11200 K T_{eff} = 9100 K $\log(L/L_{sun})$ = 0.67 $\log(L/L_{sun})$ = 3.77 R/R_{sun} ~1 R/R_{sun} = 31	

SS 255		Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	$(B-V)_0$ = -0.21 M_{bol} = -3.31 T_{eff} = 19500 K $\log(L/L_{sun})$ = 3.22 R/R_{sun} = ~4	
V* FX Vel	B8-B9 III/V ≤A2 A0-A2 ~A2	Condori et al. (2019) - MNRAS https://doi.org/10.1093/mnras/stz1540	M_{bol} = 2.73 T_{eff} = 11500 K $T_{eff} \leq$ 9000 K T_{eff} = 9500 K T_{eff} = 9000 K $\log(L/L_{sun})$ = 0.81 R/R_{sun} ~ 1	
WRAY 15-1651	B1-B5	Arias et al. (2020) - BAAA	$n_H = 1.7 \times 10^{12}$ cm^{-3} $T_{gas} = 10^4$ K T_{CO} = 2200 K $N_{CO} = 4 \times 10^{21}$ cm^{-2} v_{rot} = 150 km s^{-1}	

O stars				
Object	Spectral Type	Reference	Parameters	Comments
CD-43 4690	O7.5	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 37 kK, log g = 3.61, R_* = 14.1 R_{sun}, v_∞ = 2310 km s^{-1}, $M_{loss} = 1.5 \times 10^{-6}$ M_{sun} yr^{-1}	
HD 30614 (α Cam)	O9 Ia	Gormaz-Matamala et al. (2021) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 28200 K log g = 2.975 R_* = 30.3 R_{sun} v_{turb} = 10 km s^{-1} v sin *i* = 100 km s^{-1} $M_{loss} = 0.7 \times 10^{-6}$ M_{sun} yr^{-1} v_∞ = 2890 km s^{-1}	

			f_{cl} = 0.1 β = 0.95 He/H = 0.15	
HD 57682	O9.2 IV	Gormaz-Matamala et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202142383	T_{eff} = 35500 K log g = 3.85 L_* = 70200 L_{sun} M_* = 12.7 M_{sun} R_* = 7.0 R_{sun} v_{turb} = 20 km s^{-1} v_{macro} = 20 km s^{-1} v_{rot} = 15 km s^{-1} Ω = 0.02 log M_{loss} = -6.759 v_∞ = 2020 km s^{-1} f_{cl} = 2.5 log D_{mom} = 27.75	Self-consistent wind parameters from optical line profile fitting.
HD 66811 (ξ Pup)	O4 I(n)fp	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 42 kK, log g = 3.6, R_* = 19 R_{sun}, v_∞ = 2500 km s^{-1}, M_{loss} = 11 x 10^{-6} M_{sun} yr^{-1} T_{eff} = 40 kK, log g = 3.64, R_* = 18.7 R_{sun}, v_∞ = 2700 km s^{-1}, M_{loss} = 5.2 x 10^{-6} M_{sun} yr^{-1} T_{eff} = 39 kK, log g = 3.6, R_* = 29.7 R_{sun}, v_∞ = 3200 km s^{-1}, M_{loss} = 9.3 x 10^{-6} M_{sun} yr^{-1}	For different stellar parameters from literature.
	O4 I(n)f	Gormaz-Matamala et al. (2021) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 41000 K log g = 3.6 R_* = 17.9 R_{sun} v_{turb} = 10 km s^{-1} v sin *i* = 210 km s^{-1} M_{loss} = 2.7 x 10^{-6} M_{sun} yr^{-1}	Final values from Lambert models.

			v_∞ = 2740 km s^{-1} f_{cl} = 0.1 β = 0.9 He/H = 0.16	
		Gormaz-Matamala et al. (2020) - BAAA	T_{eff} = 40000 K log g = 3.64 R_* = 18.6 R_{sun} M_{loss} = 5.2 x 10^{-6} M_{sun} yr^{-1} f_{cl} = 1.0 - 5.0 - 9.0	Line profile fittings with FASTWIND code.
HD 69106	O9.7 IIn	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 30 kK, log g = 3.55, R_* = 14.2 $R_{sun,}$ v_∞ = 1455 km s^{-1}, M_{loss} = 0.21 x 10^{-6} M_{sun} yr^{-1}	
HD 69464	O7 Ib(f)	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ac12c9	T_{eff} = 36 kK, log g = 3.51, R_* = 20 $R_{sun,}$ v_∞ = 2412 km s^{-1}, M_{loss} = 3.2 x 10^{-6} M_{sun} yr^{-1}	
HD 76968a	O9.2 Ib	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 31 kK, log g = 3.25, R_* = 21.3 $R_{sun,}$ v_∞ = 1212 km s^{-1}, M_{loss} = 3.5 x 10^{-6} M_{sun} yr^{-1}	
HD 97848	O8 V	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 36.5 kK, log g = 3.9, R_* = 8.2 $R_{sun,}$ v_∞ = 2532 km s^{-1}, M_{loss} = 0.17 x 10^{-6} M_{sun} yr^{-1}	
HD 148546	O9 Iab	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 31 kK, log g = 3.22, R_* = 24.4 $R_{sun,}$ v_∞ = 1300 km s^{-1}, M_{loss} = 5.3 x 10^{-6} M_{sun} yr^{-1}	
HD 163758	O6.5 Iafp	Gormaz-Matamala et al. (2019) - ApJ	T_{eff} = 34.5 kK, log g = 3.41, R_* = 21 $R_{sun,}$ v_∞ = 2040 km s^{-1}, M_{loss} = 3.3 x 10^{-6}	

		https://doi.org/10.3847/1538-4357/ab05c4	M_{sun} yr^{-1}	
	O6.5 Iafp	Gormaz-Matamala et al. (2021) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 34500 K log g = 3.41 R_* = 19.1 R_{sun} v_{turb} = 7 km s^{-1} v sin *i* = 94 km s^{-1} M_{loss} = 1.2 x 10^{-6} M_{sun} yr^{-1} v_∞ = 2740 km s^{-1} f_{cl} = 0.05 β = 0.85 He/H = 0.15	
HD 164794	O4 V((f))z	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 43.8 kK, log g = 3.92, R_* = 13.1 $R_{sun,}$ v_∞ = 3304 km s^{-1}, M_{loss} = 2.3 x 10^{-6} M_{sun} yr^{-1}	
HD 169582	O6 Iaf	Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 37 kK, log g = 3.5, R_* = 27.2 $R_{sun,}$ v_∞ = 3017 km s^{-1}, M_{loss} = 7.1 x 10^{-6} M_{sun} yr^{-1}	
HD 192639	O7.5 Iab	Gormaz-Matamala et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202142383	T_{eff} = 34000 K log g = 3.25 L_* = 473000 L_{sun} M_* = 25.4 M_{sun} R_* = 19.8 R_{sun} v_{turb} = 10 km s^{-1} v_{macro} = 30 km s^{-1} v_{rot} = 100 km s^{-1} Ω = 0.26 log M_{loss} = -5.783 v_∞ = 1460 km s^{-1} f_{cl} = 6.25	Self-consistent wind parameters from optical line profile fitting.

			log D_{mom} = 28.83	
HD 188001 (9 Sge)	O7.5 Iab	Gormaz-Matamala et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202142383	T_{eff} = 34500 K log g = 3.32 L_* = 67600 L_{sun} M_* = 40.3 M_{sun} R_* = 23.0 R_{sun} v_{turb} = 20 km s^{-1} v_{macro} = 25 km s^{-1} v_{rot} = 90 km s^{-1} Ω = 0.21 log M_{loss} = -5.632 v_∞ = 2000 km s^{-1} f_{cl} = 16.0 log D_{mom} = 29.14	Self-consistent wind parameters from optical line profile fitting.
HD 195592	O9.7 Ia	Gormaz-Matamala et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202142383	T_{eff} = 29500 K log g = 3.20 L_* = 316000 L_{sun} M_* = 26.7 M_{sun} R_* = 21.5 R_{sun} v_{turb} = 10 km s^{-1} v_{macro} = 25 km s^{-1} v_{rot} = 60 km s^{-1} Ω = 0.15 log M_{loss} = -5.369 v_∞ = 1390 km s^{-1} f_{cl} = 1.0 log D_{mom} = 29.18	Self-consistent wind parameters from optical line profile fitting.
HD 218915	O9.2 Iab	Gormaz-Matamala et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202142383	T_{eff} = 31000 K log g = 3.23 L_* = 270000 L_{sun} M_* = 20.1 M_{sun} R_* = 18.0 R_{sun} v_{turb} = 20 km s^{-1}	Self-consistent wind parameters from optical line profile fitting.

			v_{macro} = 15 km s^{-1} v_{rot} = 80 km s^{-1} Ω = 0.2 log M_{loss} = -6.015 v_∞ = 1390 km s^{-1} f_{cl} = 1.67 log D_{mom} = 28.55	
HD 210809	O9 Iab	Gormaz-Matamala et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202142383	T_{eff} = 31500 K log g = 3.20 L_* = 430000 L_{sun} M_* = 28.0 M_{sun} R_* = 22.0 R_{sun} v_{turb} = 20 km s^{-1} v_{macro} = 25 km s^{-1} v_{rot} = 100 km s^{-1} Ω = 0.2 log M_{loss} = -5.593 v_∞ = 1340 km s^{-1} f_{cl} = 2.2 log D_{mom} = 28.98	Self-consistent wind parameters from optical line profile fitting.
HD 302505		Gormaz-Matamala et al. (2019) - ApJ https://doi.org/10.3847/1538-4357/ab05c4	T_{eff} = 34 kK, log g = 3.6, R_* = 14.1 R_{sun}, v_∞ = 2331 km s^{-1}, M_{loss} = 0.68 x 10^{-6} M_{sun} yr^{-1}	

B and A supergiant stars				
Object	Spectral Type	Reference	Parameters	Comments
HD 21389 (CE Cam)	A0 Ia	Pivoňková et al. (2022) - AAJ	Mv = -7.56 V = 4.54 mag. B = 5.10 mag.	Long and short-term variability. High-Velocity Absorption events detected.

			Parallax = 0.930 mas. T_{eff} = 9730 K M_* = 19.3 M_{sun} R_* = 55 R_{sun} log L_*/L_{sun}= 4.87 log g = 1.7 v sin *i* = 53 km s^{-1} v_{esc} = 233 km s^{-1} M_{loss} = 4.2 x 10^{-7} d = 1084 pc	
HD 34085 (Rigel)	B8 Iae	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	v_∞ = 138.5 km s^{-1} (δ-slow) M_{loss} = 0.176 x 10^{-6} M_{sun} yr^{-1}(δ-slow) v_∞ = 256.3 km s^{-1} (fast) M_{loss} = 0.339 x 10^{-6} M_{sun} yr^{-1} (fast)	Obtained from line profile fittings to Hα
HD 41117 (χ^2 Ori)	B2 Ia	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	v_∞ = 160 km s^{-1} (δ-slow) M_{loss} = 0.089 x 10^{-6} M_{sun} yr^{-1}(δ-slow) v_∞ = 306.9 km s^{-1} (fast) M_{loss} = 0.179 x 10^{-6} M_{sun} yr^{-1}(fast)	Obtained from line profile fittings to Hα
HD 42087 (PU Gem)	B4 Ia	Sánchez Arias et al. (2023) - Gal. https://doi.org/10.3390/galaxies11050093	T_{eff} = 18400 K log g = 2.34 v sin *i* = 73.4 km s^{-1} v_{turb} = 10 km s^{-1} M_{loss} = 2.3 x 10^{-7} M_{sun} yr^{-1} v_∞ = 700 km s^{-1} β = 2 L_* = 312700 L_{sun} M_* = 24.3 M_{sun} R_* = 55 R_{sun} d = 2470 pc E(B-V) = 0.4	Obtained from unclumped CMFGEN models.
	B4 Ia	Venero et al. (2024) -	v_∞ = 230.4 km s^{-1} (δ-slow)	Obtained from line profile fittings to

		MNRAS https://doi.org/10.1093/mnras/stad3030	M_{loss} = 0.354 x 10^{-6} M_{sun} yr^{-1}(δ-slow) v_∞ = 622.8 km s^{-1} (fast) M_{loss} = 0.826 x 10^{-6} M_{sun} yr^{-1}(fast)	Hα
HD 47240	B1 Ib	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	v_∞ = 161.3 km s^{-1} (δ-slow) M_{loss} = 0.02 x 10^{-6} M_{sun} yr^{-1}(δ-slow) v_∞ = 347.2 km s^{-1} (fast) Mloss = 0.075 x 10^{-6} M_{sun} yr^{-1}(fast)	Obtained from line profile fittings to Hα
	B1 Ib	Escarate et al. (2023) - AA https://doi.org/10.1051/0004-6361/202346587	V sin i = 106.0 km s^{-1}	Deconvolved spectrum.
HD 52089	B1.5 II	Sánchez Arias et al. (2023) - Gal. https://doi.org/10.3390/galaxies11050093	T_{eff} = 23800 K log g = 3.40 v sin *i* = 38.4 km s^{-1} v_{turb} = 10 km s^{-1} M_{loss} = 1.9 x 10^{-8} M_{sun} yr^{-1} v_∞ = 900 km s^{-1} β = 1 L_* = 35000 L_{sun} M_* = 11.1 M_{sun} R_* = 11 R_{sun} d = 124 pc E(B-V) = 0.005	Obtained from unclumped CMFGEN models.
HD 53138 (o^2 CMa)	B3 Ia	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	v_∞ = 211.2 km s^{-1} (δ-slow) M_{loss} = 0.149 x 10^{-6} M_{sun} yr^{-1}(δ-slow) v_∞ = 227.5 km s^{-1} (fast) M_{loss} = 0.205 x 10^{-6} M_{sun} yr^{-1}(fast)	Obtained from line profile fittings to Hα
HD 58350 (η CMa)	B5 Ia	Sánchez Arias et al. (2023) - Gal. https://doi.org/10.3390/galaxies11050093	T_{eff} = 15800 K log g = 1.95 v sin *i* = 51.5 km s^{-1} v_{turb} = 12 km s^{-1} M_{loss} = 6.2 x 10^{-8} M_{sun} yr^{-1} v_∞ = 230 km s^{-1}	Obtained from unclumped CMFGEN models.

			$\beta = 3$ $L_* = 163800\ L_{sun}$ $M_* = 9.5\ M_{sun}$ $R_* = 54\ R_{sun}$ d = 608 pc E(B-V) = 0.03	
	B5 Ia	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	$v_\infty = 182.5\ km\ s^{-1}$ (δ-slow) $M_{loss} = 0.181 \times 10^{-6}\ M_{sun}\ yr^{-1}$(δ-slow) $v_\infty = 179\ km\ s^{-1}$ (fast) $M_{loss} = 0.1842 \times 10^{-6}\ M_{sun}\ yr^{-1}$(fast)	Obtained from line profile fittings to Hα
HD 74371	B6 Iab/b	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	$v_\infty = 157.6\ km\ s^{-1}$ (δ-slow) $M_{loss} = 0.247 \times 10^{-6}\ M_{sun}\ yr^{-1}$(δ-slow) $v_\infty = 211.9\ km\ s^{-1}$ (fast) $M_{loss} = 0.323 \times 10^{-6}\ M_{sun}\ yr^{-1}$(fast)	Obtained from line profile fittings to Hα
HD 75149	B3 Ia	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	$v_\infty = 181.6\ km\ s^{-1}$ (δ-slow) $M_{loss} = 0.171 \times 10^{-6}\ M_{sun}\ yr^{-1}$(δ-slow) $v_\infty = 450.1\ km\ s^{-1}$ (fast) $M_{loss} = 0.443 \times 10^{-6}\ M_{sun}\ yr^{-1}$(fast)	Obtained from line profile fittings to Hα
HD 79186	B5 Ia	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	$v_\infty = 185.3\ km\ s^{-1}$ (δ-slow) $M_{loss} = 0.331 \times 10^{-6}\ M_{sun}\ yr^{-1}$(δ-slow) $v_\infty = 399.1\ km\ s^{-1}$ (fast) $M_{loss} = 0.714 \times 10^{-6}\ M_{sun}\ yr^{-1}$(fast)	Obtained from line profile fittings to Hα
HD 80077	B2 Ia+e	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	$v_\infty = 211\ km\ s^{-1}$ (δ-slow) $M_{loss} = 6.379 \times 10^{-6}\ M_{sun}\ yr^{-1}$(δ-slow)	Obtained from line profile fittings to Hα
HD 92964	B2.5 Ia	Venero et al. (2024) - MNRAS https://doi.org/10.1093/mnras/stad3030	$v_\infty = 207\ km\ s^{-1}$ (δ-slow) $M_{loss} = 0.363 \times 10^{-6}\ M_{sun}\ yr^{-1}$(δ-slow) $v_\infty = 317.5\ km\ s^{-1}$ (fast) $M_{loss} = 0.64 \times 10^{-6}\ M_{sun}\ yr^{-1}$(fast)	Obtained from line profile fittings to Hα
HD 99953	B1/2 Iab/b	Venero et al. (2024) -	$v_\infty = 152.5\ km\ s^{-1}$ (δ-slow)	Obtained from line profile fittings to

		MNRAS https://doi.org/10.1093/mnras/stad3030	M_{loss} = 0.061 x 10^{-6} M_{sun} yr^{-1}(δ-slow) v_∞ = 193.8 km s^{-1} (fast) M_{loss} = 0.08 x 10^{-6} M_{sun} yr^{-1}(fast)	Hα
HD 115842	B0.5 Ia	Escarate et al. (2023) - AA https://doi.org/10.1051/0004-6361/202346587	V sin i = 63.5	Deconvolved spectrum.
HD 198478 (55 Cyg)	B2.5/3 I	Cidale et al. (2023) - AA https://doi.org/10.1051/0004-6361/202245296	Teff = 18000 K log g = 2.5 R_* between 57-62 R_{sun} V sin i ~ 40 - 45 km s^{-1} M_{loss} ~ 0.2 - 0.7 x 10^{-6} M_{sun} yr^{-1} v_∞ = 270 km s^{-1} V_{mic} = 15 km s^{-1} V_{macro} ~ 25 - 30 km s^{-1} Variability periods of ~13 and 23 days.	Obtained from NIR line profile fittings.
HD 206267		Escarate et al. (2023) - AA https://doi.org/10.1051/0004-6361/202346587	V sin *i* = 186.6 km s^{-1}	Deconvolved spectrum.

Herbig Ae/B[e] (HAeB[e])				
Object	Spectral Type	Reference	Parameters	Comments
HK Ori	B9 V	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 11940 K log g = 4.1 M_v = 0.06 M_{bol} = -0.78 A_v = 2.05 log(L/L_{sun}) = 2.20 d = 630 pc Dust disk inner radii: 0.25-3.12 / 0.16-0.41 AU	BCD system. Proposed object type: Group II HAeB[e].

HD 52721	B2 V:	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 27361 K log g = 4.4 M_v = -1.61 M_{bol} = -3.26 A_v = 0.50 $\log(L/L_{sun})$ = 3.19 d = 479 pc Dust disk inner radii: 0.77-9.74 / 0.43-1.08 AU	BCD system. Proposed object type: Group I HAeB[e].
HD 53367	We Herbig	Rustámov et al. (2022) - OAP https://doi.org/10.18524/1810-4215.2022.35.268188	Period = 138.34 days.	Obtained from radial velocity curves.
HD 323771	B5 V:	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 17500 K log g = 4.3 M_v = -1.20 M_{bol} = -2.46 A_v = 1.80 $\log(L/L_{sun})$ = 2.87 d = 1432 pc Dust disk inner radii: 0.53-6.74 / 0.31-0.79 AU	BCD system. Proposed object type: Group II HAeB[e].

FS CMa-type stars				
Object	Spectral Type	Reference	Parameters	Comments
AS 202	A1 V / A0 V	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 10408 / 10335 K log g = 4.3 / 4.5 M_v = 0.75 / 0.65 M_{bol} = -0.14 / 0.33 A_v = 0.33 / 0.56 $\log(L/L_{sun})$ = 1.94 / 1.16	BCD system. Parameter estimates for different observations. Proposed object type: FS CMa.

			d = 437 / 502 pc Dust disk inner radii: 0.18-2.31 / 0.13-0.32 AU Dust disk inner radii: 0.15-1.88 / 0.11-0.27 AU	
HD 85567	B3 III	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 20000 K log g = 3.7 M_v = -2.33 M_{bol} = -3.83 A_v = 1.12 $\log(L/L_{sun})$ = 3.42 d = 913 pc Dust disk inner radii: 1.0-12.7 / 0.54-1.36 AU	BCD system. Proposed object type: FS CMa.

LBV stars				
Object	Spectral Type	Reference	Parameters	Comments
CPD-59 2854	B2 II	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 21000 K log g = 2.9 M_v = -4.25 M_{bol} = -5.50 A_v = 2.02 $\log(L/L_{sun})$ = 4.09 d = 3505 pc	BCD system. Proposed object type: LBV.
GR 290 (Romano's Star)	LBV - WR star	Maryeva et al. (2019) - Gal. https://doi.org/10.3390/galaxies7030079	log T_{eff} from 4.37 to 4.53 $R_{2/3}$ from 19 to 54 R_{sun} L_* [105 L_{sun}] from 3.7 to 8.2 M_{loss} [10^{-5} M_{sun} yr^{-1}] from 1.3 to 3.5 f from 0.15 to 0.25 v_∞ from 250 to 620 km s^{-1} H/He from 1.5 to 2.2 d ~ 4 kpc	Values from literature. Object proposed as post-LBV, in transition phase between LBVs and Wolf-Rayet stars.

	LBV - WR star	Maryeva et al. (2020) - A&A https://doi.org/10.3390/galaxies7030079	Asymmetric HII region 50 (south) x30 (north-southeast)x20 (east - northwest) x10 (west) pc. Unresolved region near the star ~2 pc.	
LHA 120-S 65	B2 Ib	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 22000 K log g = 2.6 Mv = -5.67 Mbol = -7.0 Av = 0.19 log(L/Lsun) = 4.69 d = 59564 pc	BCD system. Proposed object type: LBV.
MN 112		Maryeva et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac1249	T_{eff} = 17400 K R_* = 126 Rsun d = 13.53 pc E(B-V) = 2.65 L = 1500000 Lsun M_{loss} = 6.8x10^{-5} v_∞ = 280 km s^{-1} β = 1 f = 0.1 H = 0.37 (abundances) He = 0.62 N = 4.0 - 8.0 x10^{-3}	Stellar parameter from CMFGEN line profile fittings.
MWC 877	B3 Ia:	Aidelman et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202244938	T_{eff} = 20000 log g = 2.5 M_v = -6.33 M_{bol} = -8.22 A_v = 4.96 log(L/L_{sun}) = 5.18 d = 1297	BCD system. Proposed object type: LBV.

WR stars				
Object	Spectral Type	Reference	Parameters	Comments
J040901.83+323955.6	[WR] or Wolf-Rayet central star of planetary nebula	Abdulkarimova et al. (2022) - OAP https://doi.org/10.18524/1810-4215.2022.35.267997	Low mass star from HR diagram. Short timescale photometric variability ~0.5 mag.	

Be stars				
Object	Spectral Type	Reference	Parameters	Comments
HD 10144		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin i = 228 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 33328		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin i = 283 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 35165		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin i = 213 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 35411		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin i = 320 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 37041		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin i = 149 km s^{-1}	2 σ_{fit} values from Fourier transform.

HD 37795		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 190 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 41335		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 242 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 42167		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 199 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 45725		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 340 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 45910		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 196 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 48917		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 180 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 50013		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 231 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 52918		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 305 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 56014		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 183 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 57150		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 213 km s^{-1}	2 σ_{fit} values from Fourier transform.

HD 57219		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 135 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 58715		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 284 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 60606		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 249 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 63462		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 238 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 68980 (MX Pup)	B1 V	Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 152 km s^{-1}	2 σ_{fit} values from Fourier transform.
	B1 V	Cochetti et al. (2023) - Gal. https://doi.org/10.3390/galaxies11040090	Disk parameters: n = 3.0 (density power) $\rho_0 = 5x10^{-11}$ gr cm^{-3} i = 60°	Obtained by IR modelling with HDust code.
HD 71510		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 165 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 75311		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 249 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 78764		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 150 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 83953		Solar et al. (2022) - MNRAS https://doi.org/10.1093/	v sin *i* = 286 km s^{-1}	2 σ_{fit} values from Fourier transform.

		mnras/stac202		
HD 89080		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 224 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 89890		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 130 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 91465		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 286 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 92938		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 131 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 93563		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 183 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 98058		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 223 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 102776		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 222 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 103192		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 275 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 105382		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 171 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 105435		Solar et al. (2022) - MNRAS https://doi.org/10.1093/	v sin *i* = 257 km s^{-1}	2 σ_{fit} values from Fourier transform.

		mnras/stac202		
HD 107348		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 234 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 110335		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 242 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 110432		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 181 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 112078		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 307 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 120324		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 151 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 124195		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 135 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 124367		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 248 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 124771		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 188 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 127972		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 245 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 131492		Solar et al. (2022) - MNRAS https://doi.org/10.1093/	v sin *i* = 173 km s^{-1}	2 σ_{fit} values from Fourier transform.

		mnras/stac202		
HD 135734		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 257 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 138769		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 159 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 142983		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 227 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 143275		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 204 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 148184		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 157 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 157042		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 310 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 157246		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 257 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 167128		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 154 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 187811 (12 Vul)	B2.5 V	Cochetti et al. (2021) - A&A https://doi.org/10.1051/0004-6361/202040143	Projected V_{rot} = 42.5 km s^{-1} T_{CO} = 3250 K N_{CO} = 7.5x1020 cm^{-2} V_{turb} = 1.5 km s^{-1}	Parameters of the ring obtained by fitting ^{12}CO band spectrum.
HD 205637		Solar et al. (2022) - MNRAS	v sin *i* = 225 km s^{-1}	2 σ_{fit} values from Fourier transform.

		https://doi.org/10.1093/mnras/stac202		
HD 209014		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 208 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 209409		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 254 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 212076		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 148 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 212571 (π Aqr)		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 227 km s^{-1}	2 σ_{fit} values from Fourier transform.
	B1 III-IVe	Cochetti et al. (2023) - Gal. https://doi.org/10.3390/galaxies11040090	Disk parameters: n = 3.5 (density power) $\rho_0 = 10^{-11}$ gr cm^{-3} i = 45°	Obtained by IR modelling with HDust code.
HD 214748		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 182 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 217891		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 222 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 219688		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 225 km s^{-1}	2 σ_{fit} values from Fourier transform.
HD 221507		Solar et al. (2022) - MNRAS https://doi.org/10.1093/mnras/stac202	v sin *i* = 237 km s^{-1}	2 σ_{fit} values from Fourier transform.

Hot subdwarfs				
Object	Spectral Type	Reference	Parameters	Comments
BD+18°2647		Krticka et al. (2019) - A&A https://doi.org/10.1051/0004-6361/201936208	T_{eff} = 73000 K log g = 5.95 R = 0.107 R_{sun} Mass = 0.38 M_{sun} $M_{loss} < 10^{-12} M_{sun}\ yr^{-1}$ v_{rad} = 64.5 km s^{-1} v sin *i* = 25 km s^{-1} d = 307 pc ε_{He} = 0.029 log ε_C < -7.0 log ε_N = -4.5 log ε_O = -5.4	From TLUSTY, SYNSPEC and METUJE codes.
HD 49798		Krticka et al. (2019) - A&A https://doi.org/10.1051/0004-6361/201936208	T_{eff} = 45900 K log g = 4.56 R = 1.05 R_{sun} Mass = 1.46 M_{sun} $M_{loss} < 10^{-12} M_{sun}\ yr^{-1}$ v_{rad} = 107.9 km s^{-1} v sin *i* = 40 km s^{-1} d = 508 pc ε_{He} = 0.74 log ε_C < -4.2 log ε_N = -3.1 log ε_O = -4.6	From TLUSTY, SYNSPEC and METUJE codes.

Symbiotic stars				
Object	Spectral Type	Reference	Parameters	Comments

BI Cru		Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 6.187, K = 5.064, IR type D	
	D-type symbiotic star	Marchiano et al. 2022 - BAAA	T_{CO} = 3100 K N_{CO} = 2.5 x 10^{21} cm^{-2} $^{12}CO/^{13}CO$ = 10 v_{rot} = 21 km s^{-1} R_{inner} = 2 AU	Parameters for ring of molecular gas.
RS Oph	G8	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 6.858, K = 6.5, IR type S Teq = 4760 K	Cool component spectral type determination
Hen 3-1341	K3	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 7.892, K = 7.479, IR type S T_{eq} = 4170 K	Cool component spectral type determination
CL Sco	M5	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = - , K = 7.86, IR type S T_{eq} = 3430 K	Cool component spectral type determination
SY Mus	M4	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 8.14, K = 4.593, IR type S T_{eq} = 3490 K	Cool component spectral type determination
RT Cru	M3	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 5.583, K = 5.185, IR type D Teq = 3660 K	Cool component spectral type determination
V347 Nor	M0	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 5.811, K = 4.943, IR type D T_{eq} = 3970 K	Cool component spectral type determination
KX TrA	M3	Marchiano et al. 2023 - Gal https://doi.org/10.3390/galaxies11040080	H = 6.409, K = 5.979, IR type S T_{eq} = 3600 K	Cool component spectral type determination
V694 Mon	M2	Marchiano et al. 2023 - Gal	H = 5.471, K = 5.069, IR type S	Cool component spectral type

		https://doi.org/10.3390/galaxies11040080	T_{eq} = 3720 K	determination

Note: Teq is equivalent temperature.

Binaries stars				
Object	Spectral Type	Reference	Parameters	Comments
V4334 Sgr (Sakurai's object)		Evans et al. (2020) - MNRAS https://doi.org/10.1093/mnras/staa343	T_{dust} ~ 1200 K (1998), ~180 K (2016) Amorphous carbon dust mass ~ 2 x 10^{-5} M_{sun} $^{12}C/^{13}C$ ratio = 6.7 (consistent with Sakurai being a VLTP, very late thermal pulse)	Not referenced as a binary object in this paper.
V838 Mon	B5V + L supergiant	Liimets et al. (2023) - A&A https://doi.org/10.1051/0004-6361/202142959	Infrared photometric magnitudes: 2010/05/11 - J=7.00, H=5.86, K=5.10 2020/03/02 - J=6.59, h=5.55, K=4.76	Extensive photometric observation available online.
Z CMa	Herbig Be + FU Ori	Liimets et al. (2023) - Gal. https://doi.org/10.3390/galaxies11030064	Total movement in the plane of the sky = 1.4" Proper motion μ = 0.08 (feat. C), 0.013 (feat. D) Radial velocity v_{rad} = -390 (C), -110 (D) km s^{-1} Tangencial velocity v_{sky} = 423, 69 km s^{-1} Expansion velocity v_{exp} = 576, 130 km s^{-1} Inclination *i* = 43°, 58° Distance from central star d_{2002} = 67.8", 75.3" Distance from central star d_{2019} = 69.2", 75.5" Position angle (2002) = 246.5° 222,9° Position angle (2019) = 246.6, 222.9° Age at 2002 = 854, 5859 years	Proper motion and properties of large-scale outflow features C and D
HD 36030	B9 V	Maryeva et al. (2023) - Gal https://doi.org/10.3390/	T_{eff} = 11900 K, log g = 4.69 dex, v sin *i* = 15 km s^{-1} log (abundances) by number H=1, He=-1.75, C<-2.3, N<-1.9,O<-3.25	XTGrid/Tlusty modeling. Binarity confirmed.

		galaxies11020055		
HD 174638 (β Lyr)	Interacting eclipsing close binary	Rustamov & Abdulkarimova (2020) - AzAJ	Period = 12.9411428 days (2016). Increment in orbital period by 19s per year.	

Stars in open clusters			
Object	Reference	Parameters	Comments
GES 10341195-5813066	Morel et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202244112	T_{eff} = 10520 K, log g = 4.18, V sin *i* = 281 km s^{-1}, RV = +5.8 km s^{-1}, y = 0.12, E(B-V) = 0.369	Cluster member of NGC 3293.
GES 10341702-5811419	Morel et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202244112	T_{eff} = 10730 K, log g = 4.05, V sin *i* = 175 km s^{-1} , RV = +9.33 km s^{-1}, y = 0.125, E(B-V) = 0.415	Cluster member of NGC 3293.
GES 10341774-5809101	Morel et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202244112	T_{eff} = 10880 K, log g = 4.31, V sin *i* = 150 km s^{-1} , RV = -16.43 km s^{-1}, y = 0.080, E(B-V) = 0.407	Cluster member of NGC 3293.
GES 10342068-5814107	Morel et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202244112	T_{eff} = 13571 K, log g = 4.18, V sin *i* = 180 km s^{-1} , RV = +0.83 km s^{-1}, y = 0.085, E(B-V) = 0.236	Cluster member of NGC 3293.
GES 10342078-5813305	Morel et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202244112	T_{eff} = 18221 K, log g = 4.03, V sin *i* = 122 km s^{-1} , RV = -18.21 km s^{-1}, y = 0.085, E(B-V) = 0.201	Cluster member of NGC 3293.
GES 10342325-5808448	Morel et al. (2022) - A&A	T_{eff} = 13690 K, log g = 4.00, V sin *i* = 204 km s^{-1} ,	Cluster member of NGC 3293.

	https://doi.org/10.1051/0004-6361/202244112	RV = +4.93 km s^{-1}, y = 0.110, E(B-V) = 0.243	

Open clusters			
Object	Reference	Parameters	Comments
NGC 869/NGC 884(double cluster)	Granada et al. (2023) - Gal. https://doi.org/10.3390/galaxies11010037		Detection of active Be stars with Gaia G band.
NGC 663	Granada et al. (2023) - Gal. https://doi.org/10.3390/galaxies11010037		Detection of active Be stars with Gaia G band.
NGC 3293	Morel et al. (2022) - A&A https://doi.org/10.1051/0004-6361/202244112	Cluster age ~20 Myr	
NGC 6834	Ruiz Diaz et al. (2021) - BAAA	E(B-V) = 0.66 mag.	
NGC 7419	Granada et al. (2023) - Gal. https://doi.org/10.3390/galaxies11010037		Detection of active Be stars with Gaia G band.