



9 Important Information on Dimension Sheets

9.1 Notes on dimension sheets

Scope of delivery



= Standard parts are supplied by SEW-EURODRIVE.



= Standard parts are not supplied by SEW-EURODRIVE.

Tolerances

$\varnothing > 130 \text{ mm}$ → M30

Keys: according to DIN 6885 (domed type).

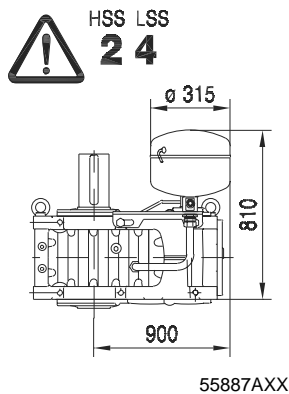
Hollow shafts

Diameter tolerance:

\varnothing → ISO H7 measured with plug gauge

Abbreviations for optional accessories

/BS	Backstop
/MF	Mounting flange
/SEP	Shaft end pump
/ODV	Drain valve
/SD	Shrink disc
T	Torque arm
/LSST	Through going LSS = shaft position 34 or 43
/HSST	Through going HSS = shaft position 12 or 21
/FAN	Fan
/FAN2	2 fans or HSS



Make sure there is sufficient space available on the driven machine.










Important Information on Dimension Sheets

Notes on dimension sheets

Symbols




The following table shows which symbols are used in the subsequent figures and what they mean.

Symbol	Meaning
	Breather plug
	Inspection opening
	Oil dipstick
	Oil drain plug
	Oil filling plug
	Oil sight glass
	Air outlet screw



9.2 Notes on selection tables

Selection tables
detailed

MC.PL..02, $n_1 = 1800$ 1/min								P_{TH}						8.0 kNm	
i_N	i_{ex}	n_2	M_{N2}	P_{N1}	F_{Ra}	F_{Re}		$P_{TH[20]}$	$P_{TH[40]}$	$P_{TH[20]}$	$P_{TH[40]}$	$P_{TH[20]}$	$P_{TH[40]}$		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	20°C	40°C	20°C	40°C	20°C	40°C	[15]	[16]

- [1] Nominal gear unit (reduction) ratio
- [2] Exact gear unit reduction ratio
- [3] Output speed (LSS)
- [4] Nominal gear unit torque
- [5] Nominal gear unit power
- [6] Permitted radial load in the middle of the LSS at $F_S = 1.5$
- [7] Permitted radial load in the middle of the HSS at $F_S = 1.5$
- [8] Symbol for the gear unit design
- [9] Nominal thermal rating of the gear unit at an ambient temperature of 20°C
- [10] Nominal thermal rating of the gear unit at an ambient temperature of 40°C
- [11] Nominal thermal rating of the gear unit at an ambient temperature of 20°C with one cooling fan
- [12] Nominal thermal rating of the gear unit at an ambient temperature of 40°C with one cooling fan
- [13] Nominal thermal rating of the gear unit at an ambient temperature of 20°C with two cooling fans
- [14] Nominal thermal rating of the gear unit at an ambient temperature of 20°C with two cooling fans
- [15] Dimension drawing for the basic gear unit and accessories
- [16] Dimension drawing for the basic gear unit with motor adapter

Selection tables
short form

Size	[2] n_1 [1/min]	Nominal gear unit power P_{N1} in [kW] [4]									
		Nominal ratio i_n [3]									
MC2P		7.1	8	9	10	11.2	12.5	14	16	18	20
02 [1]											

- [1] Gear unit size
- [2] n_1 = Input speed HSS
- [3] i_n = Nominal ratio
- [4] P_{N1} = Nominal power of the gear unit



Important Information on Dimension Sheets
Notes on selection tables
