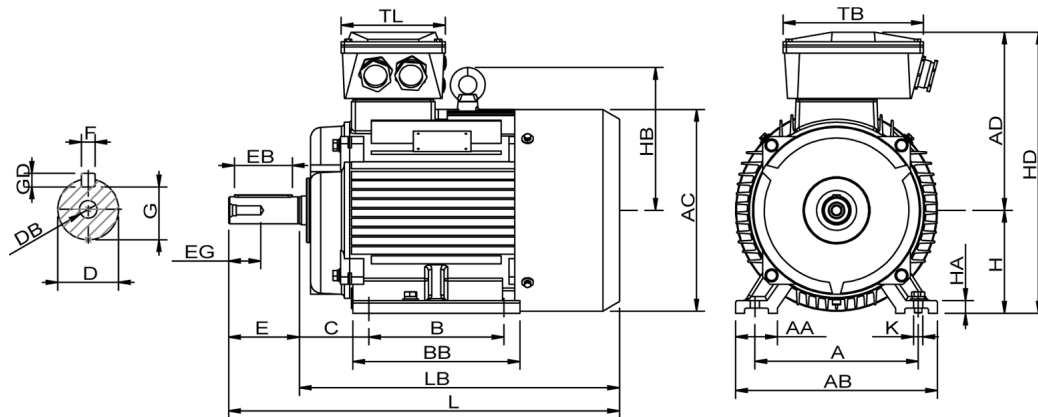


Data Sheet

Itemnumber....: 3222800199



A = 457	AC = 546	BB = 485	DB = M20	EG = 56	GD = 11	HB = 362	L = 965	TL = 230
AA = 85	AD = 403	C = 190	E = 140	F = 18	H = 280	HD = 683	LB = 825	
AB = 542	B = 368	D = 65	EB = 110	G = 58	HA = 35	K = 24	TB = 305	

Version

Type.....: HMC2 280S-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	IE2
Pole.....	2
Power at 50 Hz (kW).....	75,0
Hz.....	60 (60 Hz output)
Voltage.....	690VD
Winding voltage.....	690VD 60 Hz
Power output (kW).....	87,5
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

Frame size.....	280
Mounting.....	B3
Rain cap.....	No
Protection class.....	IP55
Cooling method.....	IC411/TEFC
External grounding.....	Yes
Drain hole.....	Yes
Frame material.....	Cast Iron
Material approval.....	None
Shaft.....	IEC Standard
Key.....	Closed key
Balancing.....	Half key balancing
Vibration class.....	Grade-A
Weight (kg).....	525

Environment condition

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Ambient temp. min. (°C)..: -20
Ambient temp. max. (°C)..: 45
Altitude (mtr up to).....: 1000
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Bearing

Bearing.....: 6314/C3
NDE Bearing.....: 6314/C3
Fixed bearing.....: DE

Terminal box

Thox position.....	Top
Cable entry direction.....	Right (from DE)
Cable entry	
Main.....	2 x M63x1,5 Ø37-44mm metal
Accessory.....	2 x M20x1,5 Metal blindcaps
Terminal board thread.....	6-M10

Motor protection

```

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 100W
Temperature detector.....: No
SPM.....: No
IR wire.....: Yes
Tropical insulation.....: Yes

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Explosion protection

Explosion protection
According to.....: None
Type of protection.....: None

General

Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage + VFD
Special packing.....: No
Special requirements.....: No

Rated power (kW)	75,0	90,0	87,5
Frequency (Hz)	50	60	60
Voltage (V)	575	690	690
Connection	D	D	D
Full load current (A) . . .	88,5	89,0	86,0
Speed (rpm)	2970	3550	3550
Power factor cos(phi) . . .	0,91	0,91	0,91
Efficiency, 100/75/50 (%) :	93,8/ 93,1 /92,2	93,8/ 93,1 /92,2	93,8/ 93,1 /92,2
Ist/In	7,30	7,30	7,50
Full load torque (Nm) . . .	242	242	234
Tst/Tn	2,26	2,26	2,32
Tmax/Tn	3,55	3,55	3,65
Duty	S1	S1	S1
Ambient temp. (°C)	40	40	45