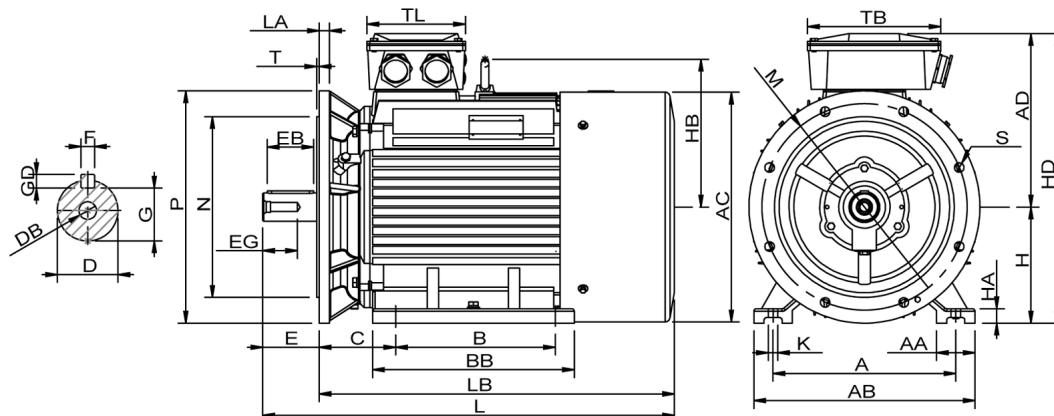


Data Sheet

Itemnumber..... 3242250409



A = 356	AC = 445	BB = 368	DB = M20	EG = 56	GD = 11	HB = 286	L = 807	M = 400	S = 8-Ø18,5	TL = 192
AA = 75	AD = 336	C = 149	E = 140	F = 18	H = 225	HD = 561	LA = 20	N = 350	T = 5	
AB = 431	B = 286	D = 60	EB = 110	G = 53	HA = 28	K = 18,50	LB = 667	P = 450	TB = 260	

Version Type..... HMC2 225S-4 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	Mechanical design Frame size..... 225 Mounting..... B35 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)..... 300	Bearing DE Bearing..... 6313-ZZ/C3 NDE Bearing..... 6312-ZZ/C3 Fixed bearing..... DE
Electrical design Efficiency..... IE2 Pole..... 4 Power at 50 Hz (kW)..... 37,0 Hz..... 60 (60 Hz output) Voltage..... 440VD Winding voltage..... 400VD/690VY 50 Hz Power output (kW)..... 43,0 Duty..... S1 Insulation class..... F Temperature rise..... B	Environment condition Ambient temp. min. (°C)..... -20 Ambient temp. max. (°C)..... 45 Altitude (mtr up to)..... 1000	Terminal box Tbox position..... Top Cable entry direction..... Right (from DE) Cable entry Main..... 2 x M50x1,5 Ø32-38mm metal Accessory..... 2 x M20x1,5 Metal blindcaps Terminal board thread..... 6-M8
Motor protection Thermal protection main..... PTC 3x 155 dgr Thermal protection second.. None Space heater..... 1x 230V 80W Temperature detector..... No SPM..... No IR wire..... No Tropical insulation..... Yes		Test values Rotor inertia (kgm²)..... 0,55 Noise level (dB(A))..... 68 No load current (A)..... 20,0 Winding resist. (ohm)..... 0,16 Starting time (sec.)..... 0,16 Temp. rise winding (K)..... 72 Temp. rise surface (K)..... 47
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)	37,0	36,0	44,5	43,0
Frequency (Hz)	50	50	60	60
Voltage (V)	400 690	380 660	480 830	440
Connection	D Y	D Y	D Y	D
Full load current (A)	64,5 37,5	66,5 38,5	64,5 37,5	68,0
Speed (rpm)	1480	1480	1770	1770
Power factor cos(phi)	0,89	0,90	0,89	0,90
Efficiency, 100/75/50 (%) . .	92,7/ 93,2 /92,7	92,7/ 93,2 /92,7	92,7/ 93,2 /92,7	92,2/ 92,7 /92,2
Ist/In	7,05	6,20	7,05	6,50
Full load torque (Nm)	238	230	238	230
Tst/Tn	2,28	2,12	2,28	1,98
Tmax/Tn	3,10	2,90	3,10	2,70
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45