

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 17966257

Frame	: 132S	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 24.6/12.3 A	Protection degree	: IP55
L. R. Amperes	: 226/113 A	Cooling method	: IC411 - TEFC
LRC	: 9.2	Mounting	: B35T
No load current	: 11.2/5.60 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3550 rpm	Noise level ²	: 67.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 2.04 kgfm	Approx. weight ³	: 69.0 kg
Locked rotor torque	: 280 %		
Breakdown torque	: 340 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0252 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	86.5	89.5	90.2	Max. traction	: 111 kgf
Power Factor	0.68	0.79	0.85	Max. compression	: 180 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
10.3	7.7	6.8	6.4	3.9	3.0	1.9

	Drive end	Non drive end
Bearing type	: 6308 ZZ	: 6207 ZZ
Sealing	: V'Ring	: V'Ring
Lubrication interval	: -	: -
Lubricant amount	: -	: -
Lubricant type	: 00088	

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	20/08/2026			
		Page		Revision
		1 / 2		

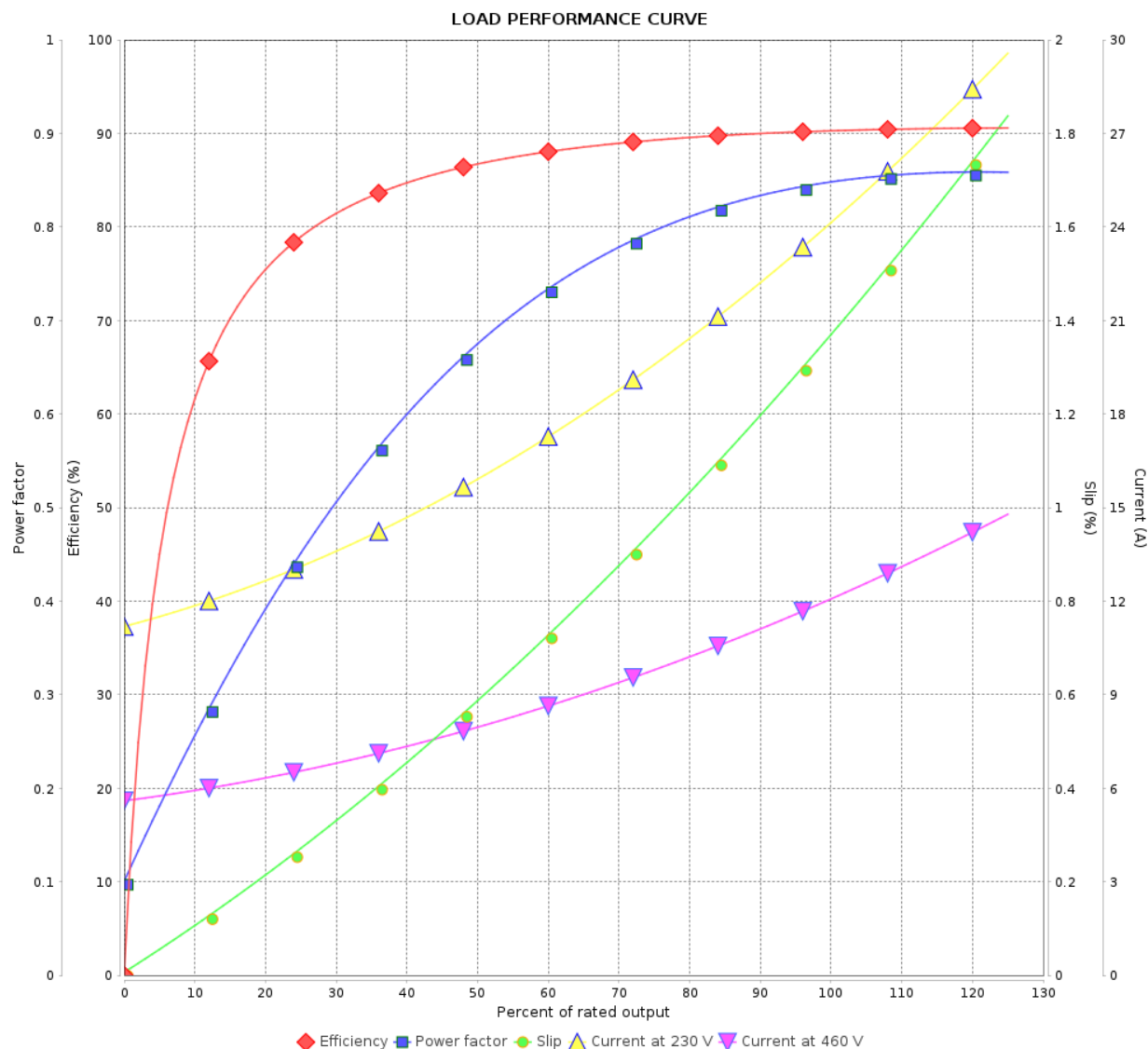
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 17966257

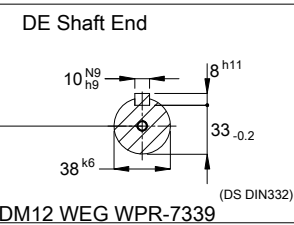
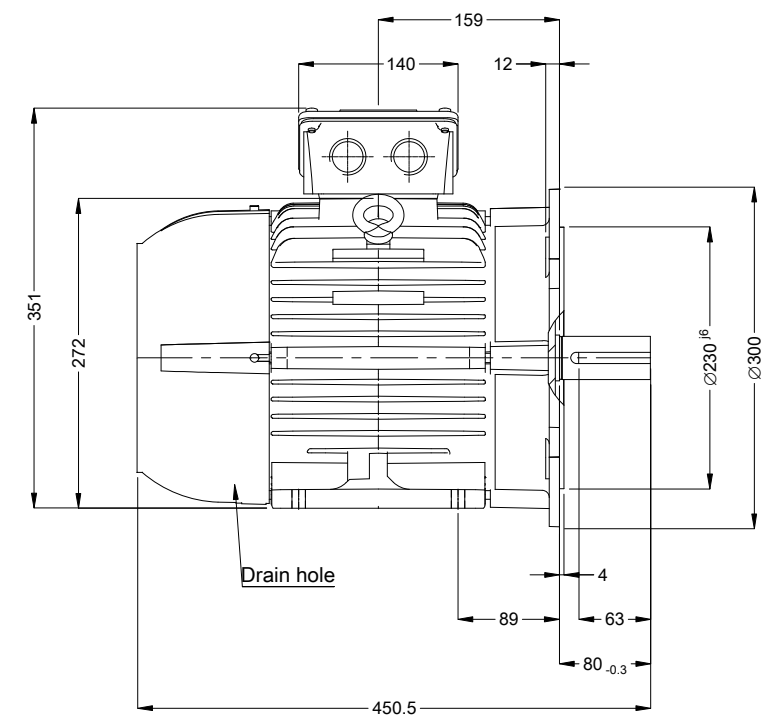
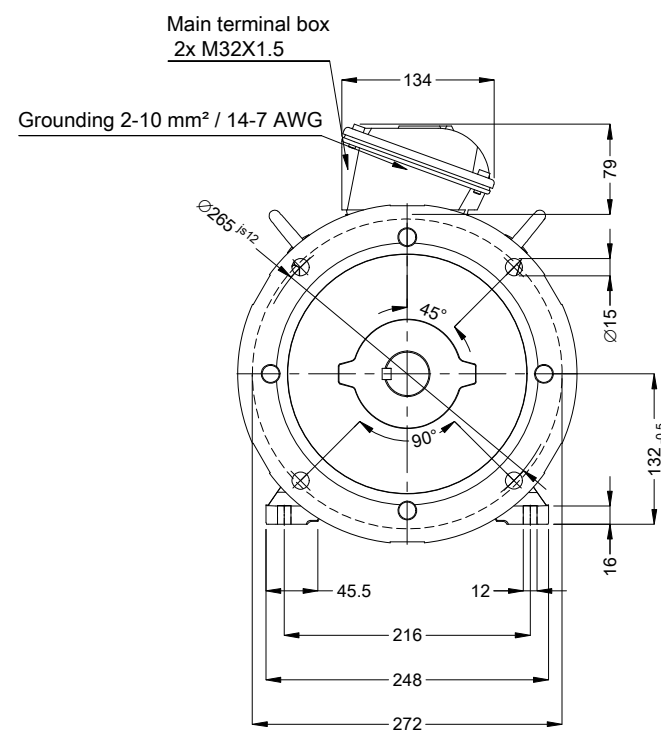
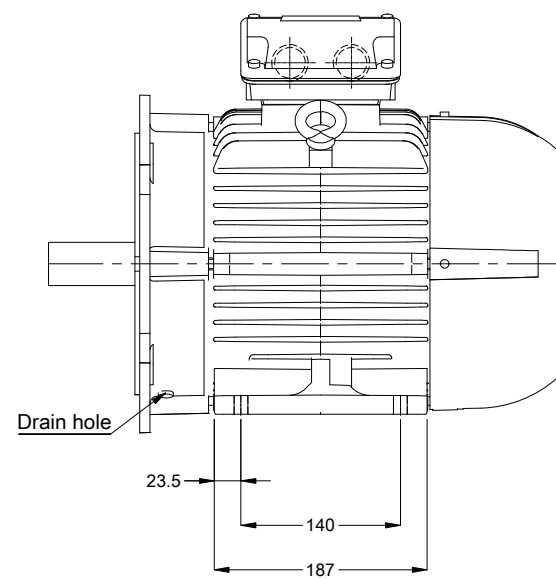


Performance : 230/460 V 60 Hz 2P

Rated current : 24.6/12.3 A
LRC : 9.2
Rated torque : 2.04 kgfm
Locked rotor torque : 280 %
Breakdown torque : 340 %
Rated speed : 3550 rpm

Moment of inertia (J) : 0.0252 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : N

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2	Revision
Checked by					
Date	20/08/2026				



10 HP 02 Poles 60 Hz										A	
						Scale				2 : 13	
						HYBRISUSER					00
ECM		LOC		SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	HYBRISUSER		THREE PH. MOTOR W22 IE3 FRAME 132S IP55 TEFC				PREVIEW WDD 00				
CHECKED											
RELEASED											
REL. DATE											
						SHEET		1 / 1			