

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : IDS

Product line : W22 IE3 Three-Phase Product code : 12863156

Frame	: 200L	Locked rotor time	: 61s (cold) 34s (hot)
Output	: 15 kW	Temperature rise	: 80 K
Poles	: 8	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 400/690 V	Altitude	: 1000 m.a.s.l.
Rated current	: 32.6/18.9 A	Protection degree	: IP55
L. R. Amperes	: 156/90.7 A	Cooling method	: IC411 - TEFC
LRC	: 4.8	Mounting	: B3T
No load current	: 16.3/9.45 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 730 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 2.67 %	Starting method	: Direct On Line
Rated torque	: 20.0 kgfm	Approx. weight ³	: 242 kg
Locked rotor torque	: 190 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.4571 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	89.0	89.6	89.8	Max. traction	: 377 kgf
Power Factor	0.56	0.68	0.74	Max. compression	: 619 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6312 C3	6212 Z C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	21 g	13 g
Lubricant type	:	Mobil Polyrex EM	

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 IEC 60034-1.

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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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VFD OPERATION CURVE

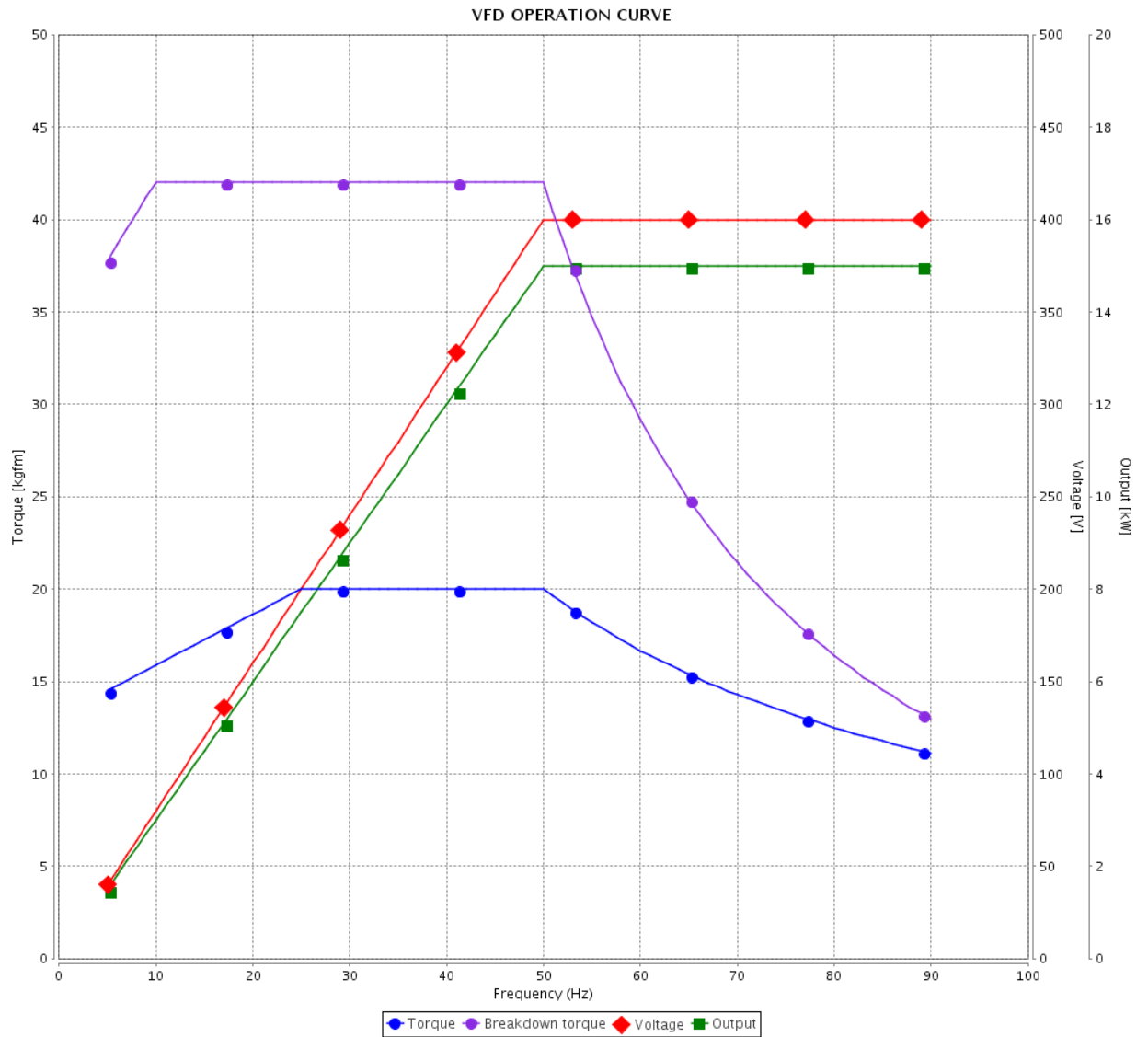
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12863156



Performance : 400/690 V 50 Hz 8P

Rated current : 32.6/18.9 A
 LRC : 4.8
 Rated torque : 20.0 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 210 %
 Rated speed : 730 rpm

Moment of inertia (J) : 0.4571 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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