

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : IDS

Product line : W22 IE3 Three-Phase Product code : 12862505

Frame	: 315L	Locked rotor time	: 37s (cold) 21s (hot)
Output	: 200 kW	Temperature rise	: 80 K
Poles	: 4	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	: 346/201 A	Protection degree	: IP55
L. R. Amperes	: 2318/1344 A	Cooling method	: IC411 - TEFC
LRC	: 6.7	Mounting	: B3T
No load current	: 106/61.4 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1488 rpm	Noise level ²	: 73.0 dB(A)
Slip	: 0.80 %	Starting method	: Direct On Line
Rated torque	: 131 kgfm	Approx. weight ³	: 1329 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 4.75 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	96.0	96.3	96.0	Max. traction	: 1563 kgf
Power Factor	0.78	0.85	0.87	Max. compression	: 2892 kgf

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	: 6319 C3	6316 C3
Sealing	: WSeal	WSeal
Lubrication interval	: 11000 h	13000 h
Lubricant amount	: 45 g	34 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	27/06/2019		1 / 3	

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : IDS

Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	27/06/2019		2 / 3	

VFD OPERATION CURVE

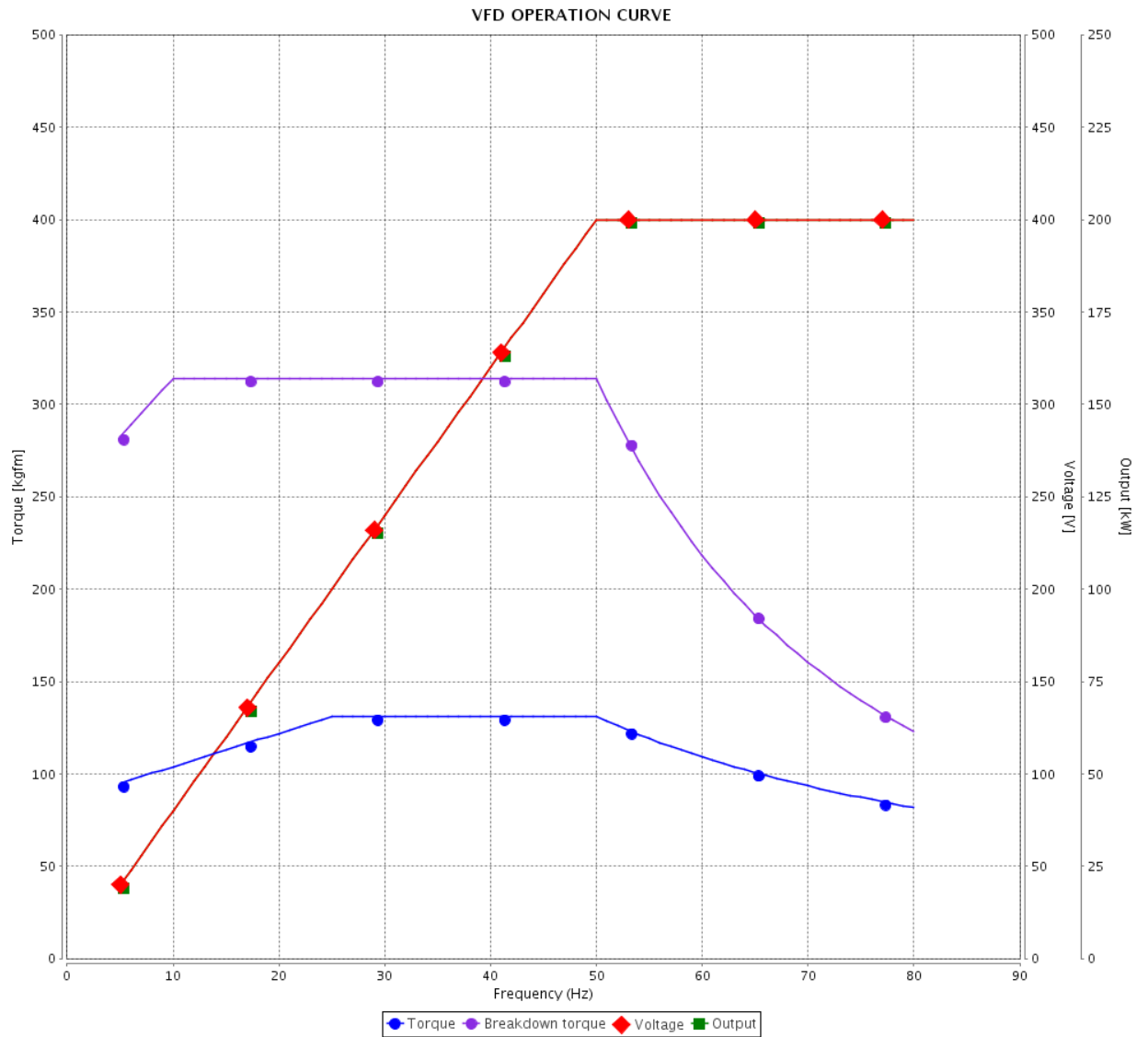
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862505



Performance : 400/690 V 50 Hz 4P

Rated current : 346/201 A
 LRC : 6.7
 Rated torque : 131 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 240 %
 Rated speed : 1488 rpm

Moment of inertia (J) : 4.75 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				