DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: IDS

Product line	: W22 IE3 Three-Phase	Product code :	12862529

Frame	: 112M	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 4 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	: 8.23/4.77 A	Protection degree	: IP55
L. R. Amperes	: 57.6/33.4 A	Cooling method	: IC411 - TEFC
LRC	: 7.0	Mounting	: B5T
No load current	: 4.60/2.67 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1450 rpm	Noise level²	: 56.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 2.69 kgfm	Approx. weight³	: 46.7 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0180 kgm²		
Design	: N		

Output	50%	75%	100%
Efficiency (%)	88.7	89.1	88.8
Power Factor	0.60	0.72	0.79

Foundation loads	
Max. traction	: 140 kgf
Max. compression	: 186 kgf

		Drive end	Non drive end
Bearing type	:	6207 ZZ	6206 ZZ
Sealing	:	Oil Seal	Oil Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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

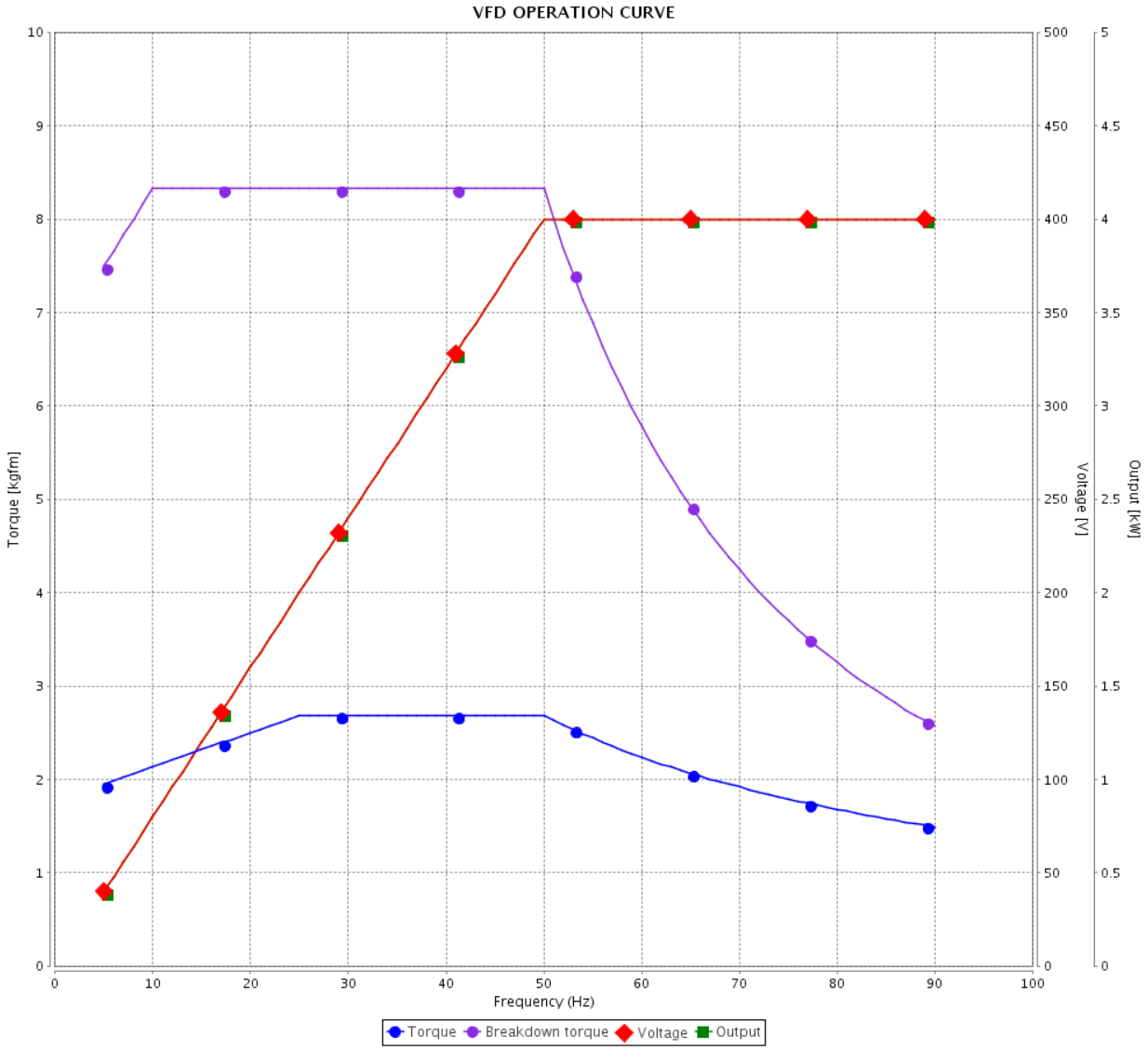
Performed by				
Checked by			Page	Revision
Date	27/06/2019		1 / 2	

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	: IDS		
Product line	: W22 IE3 Three-Phase	Product code :	12862529



Performance	: 400/690 V 50 Hz 4P		
Rated current	: 8.23/4.77 A	Moment of inertia (J)	: 0.0180 kgm²
LRC	: 7.0	Duty cycle	: S1
Rated torque	: 2.69 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1450 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	27/06/2019		2 / 2	

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