DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: IDS

Product line	: W22 IE3 Three-Phase	Product code :	12862356

Frame	: 90L	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 2.2 kW	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 7.70/4.43 A	Protection degree	: IP55
L. R. Amperes	: 57.8/33.2 A	Cooling method	: IC411 - TEFC
LRC	: 7.5	Mounting	: B3T
No load current	: 3.30/1.90 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 2865 rpm	Noise level²	: 62.0 dB(A)
Slip	: 4.50 %	Starting method	: Direct On Line
Rated torque	: 0.748 kgfm	Approx. weight³	: 24.4 kg
Locked rotor torque	: 310 %		
Breakdown torque	: 340 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0026 kgm²		
Design	: N		

Output	50%	75%	100%
Efficiency (%)	85.5	86.0	86.3
Power Factor	0.65	0.77	0.83

Foundation loads	
Max. traction	: 61 kgf
Max. compression	: 85 kgf

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6204 ZZ
Sealing	:	V'Ring	V'Ring
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

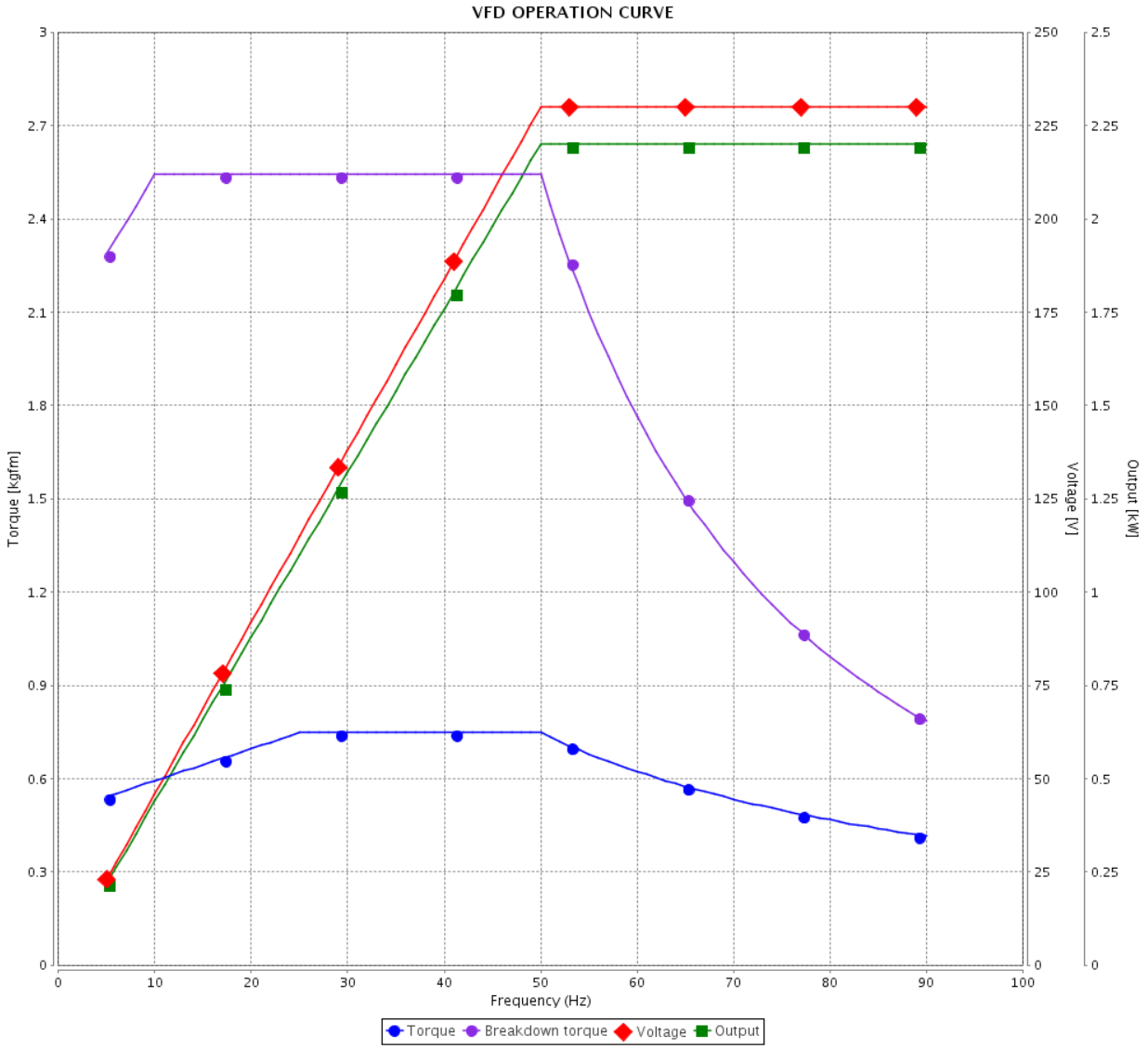
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	: IDS		
Product line	: W22 IE3 Three-Phase	Product code :	12862356



Performance	: 230/400 V 50 Hz 2P		
Rated current	: 7.70/4.43 A	Moment of inertia (J)	: 0.0026 kgm²
LRC	: 7.5	Duty cycle	: S1
Rated torque	: 0.748 kgfm	Insulation class	: F
Locked rotor torque	: 310 %	Service factor	: 1.00
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 2865 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date

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