

KOSMO PUMPS ELECTRIC MOTOR

Manufacturer: **GW ELECTRIC (ShangHai) ,Ltd**
Model: **YSJ90S4H-SDE**

1.1 kW - 4 Poles IP55 F 230/400V 50Hz
265/460V 60Hz

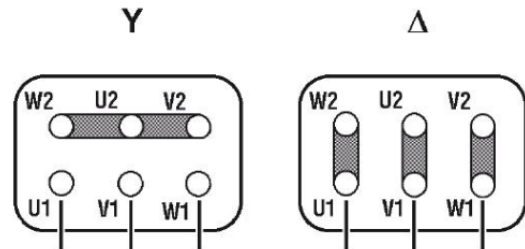
ELECTRICAL DATA		50 Hz	60Hz			50 Hz	60 Hz		
Rated Voltage	Volt	230/400	265/460	Current	Rated	In	A	4.2/2.4	3.6/2.1
					Starting		A	26.2/15.2	24.5/14.1
					Is/In		-	6.24	6.8
Rated Power Output	kW		1.1	Torque	Rated	Mn	Nm	7.29	6.04
Phases	-		3		Starting	Ms	Nm	16.49	14.37
Poles	-		4		Maximum	Mm	Nm	20.45	16.8
Rated Motor Speed	rpm	1440	1740		Ms/Mn		-	2.26	2.37
Efficiency Class	-		IE3	Capacitor	Run [450 V]		µF	-	-
Efficiency Rated Power[100% Max Load]	%	84.1	86.5		Start [250 V]		µF	-	-
Cos φ	-	0.79	0.78	Starting Type		Direct on line			

GENERAL DATA					
Standard and Specifications	-	IEC – CENELEC CEI-UNEL – BS – NFC DIN-VDE - UNE		Frame Size	- 90
Type of Construction	-	IM B5-V1 (without Canopy)		Frame Material	- Aluminum
Mechanical Protection Degree (motor enclosure)	-	IP55		Mechanical Protection Degree (terminal box)	- IP55
Method of Cooling TEFC	-	IC 411		Vibration Class	- N (Standard)
Insulation	-	F		Duty Type	- S1
Tropical Finish	-	NO		Motor Type	- Squirrel-Cage
Direction of Rotation	-	Indifferently		Estimated Empty Weight	kg 14.7

MECHANICAL DATA					
Noise 50/60 Hz	dB(A)	60 / 65		Moment of Inertia	10 ⁻³ Kg ^m ² -
Bearing AS	-	6205 2ZC3		Bearing BS	- 6205 2ZC3
Type Bearing	-	Ball		Regreasing device	- NO
Type of Lubrification	-			Relubrication interval at 40°C / 25°C	h -
Quantity of grease for relubrication	gr			Painting / Colour	- Manufacturer STD

TERMINAL BOX			
Material of terminal box	-	Aluminum	
Terminal screw thread	-	M4	
Cable Diameter min / max	mm		
Cable gland	-	M20 × 1.5	
Type of terminal box	-		
Max cable diameter	mm ²		
Cable entry	-	See general drawing	

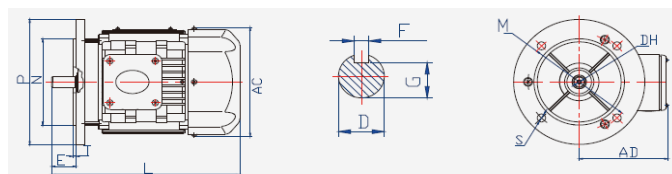
Connection diagram for asynchronous motors



FLAME PROTECTION			
Flame Proof Enclosure	-	NO	

DIMENSIONAL DRAWING

Frame	Flange	Mounting Dimensions (mm)										Overall Installation Dimension		
		D	DH	E	F	G	M	N	P	S	T	AC	AD	L
90S	FF165	24 ^{+0.009} _{-0.004}	M8*19	50±0.310	8 ⁰ _{-0.036}	20 ⁰ _{-0.20}	165	130 ^{+0.014} _{-0.011}	200	12 ^{+0.430} ₀	3.5 ⁰ _{-0.120}	179	139	320



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Technical data can be changed without notice.

TD SPR0104219_1.1KW YSJ90S4H-SDE M90S B5_rev2.0