

B 3643
APOEM

Authorised Pumpset Original Equipment Manufacturer

KIRLOSKAR BROTHERS LIMITED



Enriching Lives

PUMP SET TEST CERTIFICATE

This is to certify that the following Pumpset meets the duty conditions specified as per ISO9906-2B

Pump Set Serial No			
PUMP NO.	10204212108	Motor Serial No.	U22EGAE00141
PUMP SET	DB 32/26 (86) + 9.3 KC2		

SUCTION SIZE (mm)	50.00	DELIVERY SIZE (mm)	32.00
IMP.MAT/DIA.	231.0/231.0		
MAT. CONST. CODE	86-CI+Bronze+CI/NA+45 C 8+SS 410H (Casing/casing cover/diffuser/insert + Impellers + Wear Rings(Casing/Impeller)+Shaft + Shaft Sleeve)		

DUTY CONDITION

TOTAL HEAD (m)	70.00 m	MOTOR (kW)	9.30
DISCHARGE (m ³ / hour)	10.80 m ³ /hr	SPEED (RPM)	2920.00
DISCHARGE (l/s)	3.00 l/s		
PUMP INPUT (kW)	7.33	MOTOR FRAME SIZE	160M
PUMP EFFICIENCY (%)	28.05		
SP. GR.	1.00		

Date: 21/01/2022


Authorised Signatory

PUMP TESTING LABORATORY





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A Kirloskar Group Company
KI160M 9.3kW-2P-IE2_
U22EGAE00141

ROUTINE TEST CERTIFICATE FOR 3 PHASE SQUIRREL CAGE A.C. INDUCTION MOTOR

Customer		Test Date	31/05/21
Customer Order No & Date		Motor Excise No	U22EGAE00141

Motor Name Plate Data

Model	KI160M 9.3kW-2P-IE2_	Frame	KI160M
Output kW (HP)	9.3(12.5)	Speed (rpm)	2930
Supply Volts	415+/-10%	Duty	S1
Frequency (Hz)	50+/-5%	Rating	CONT
Current Amps	17.0	Mounting	FOOT
Connection	DELTA	Amb Temp (°C)	50
Efficiency (%)	88.8	Insulation Class	F
Power Factor	0.88		

Other Details

Bearings DE/NDE	6309ZZ/6309ZZ	Thermistor	NA
Shaft (mm)	42	Deg. Of Protection	IP55
Space Heaters		Enclosure	TEFC

Test Details

Resistance between Terminals (ohms): 0.670 @33.8 Deg. C

Test	Volts	A1	A2	A3	Watts	Frequency (Hz)	rpm
No Load	418.10	6.70	6.73	6.64	1094.93	49.98	2994
Locked Rotor	128.35	26.91	26.40	26.37	2175.21	49.99	0.00

Reduced voltage Run-up test at 57% voltage
High voltage Test at 2kV, 1 min
Insulation resistance (Before & after HV Test)

PASSED
PASSED
Above 100 Mega Ohms

Certificated that the motor has been tested in accordance with IS:12615-2011 & IEC 60034-1

This is computer generated test report hence signature is not required

Authorised Signatory
for Kirloskar Brothers Ltd.