

ABB BALDOR RELIANCE III

Customer information packet

M1727T

15/6.7HP, 1760/1160RPM, 3PH, 60HZ, 284T

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	284T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	6.700 HP @ 60 HZ 15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	19.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	10.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AF
Type	AC
Mech. spec.	10C151
Base	
Status	PRD/A
Elec. spec.	10WGW439
Layout	10LYC151
Eff. date	01-07-2026
CD Diagram	CD0013
Poles	04/06
Leads	6#10
Proprietary	False
Created date	01-01-0001

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1036M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	27.76 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1160 rpm
	1760 rpm
Speed Code	2S-2W-VT
Starting Method	Direct on line
Thermal Device - Bearing	NONE (OLD)
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	M1727T								
SPEC.	10C151W439								
HP	15/6.7								
VOLTS	460								
AMP	19.3/10								
RPM	1760/1160								
FRAME	284T		HZ	60			PH	3	
SER.F.	1.15	CODE	G	DES	B	CLASS	F		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6311		ODE	6309					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 36420

Typical performance - not guaranteed values

Winding: 10WGW439-R002		Type: 1036M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	15/6.7	Full Load Torque	45 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	19.3/10	Breakdown Torque	114 LB-FT
R.P.M.	1760/1160	Pull-up Torque	55 LB-FT
Hz	60 Phase	Locked-rotor Torque	92 LB-FT
NEMA Design Code	B KVA Code	Starting Current	115 A
Service Factor (S.F.)	1.15	No-load Current	8.2 A
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	0.826 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	70°C
S.F. Amps		Temp. Rise @ S.F. Load	82°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	67	77	82	86	84	84
Efficiency	77.2	85.4	87.9	88.5	88.2	87.3	88.3
Speed	1795	1791	1786	1781	1776	1769	1778
Line amperes	9.5	12.1	15.2	19.4	23.5	28.4	21.9

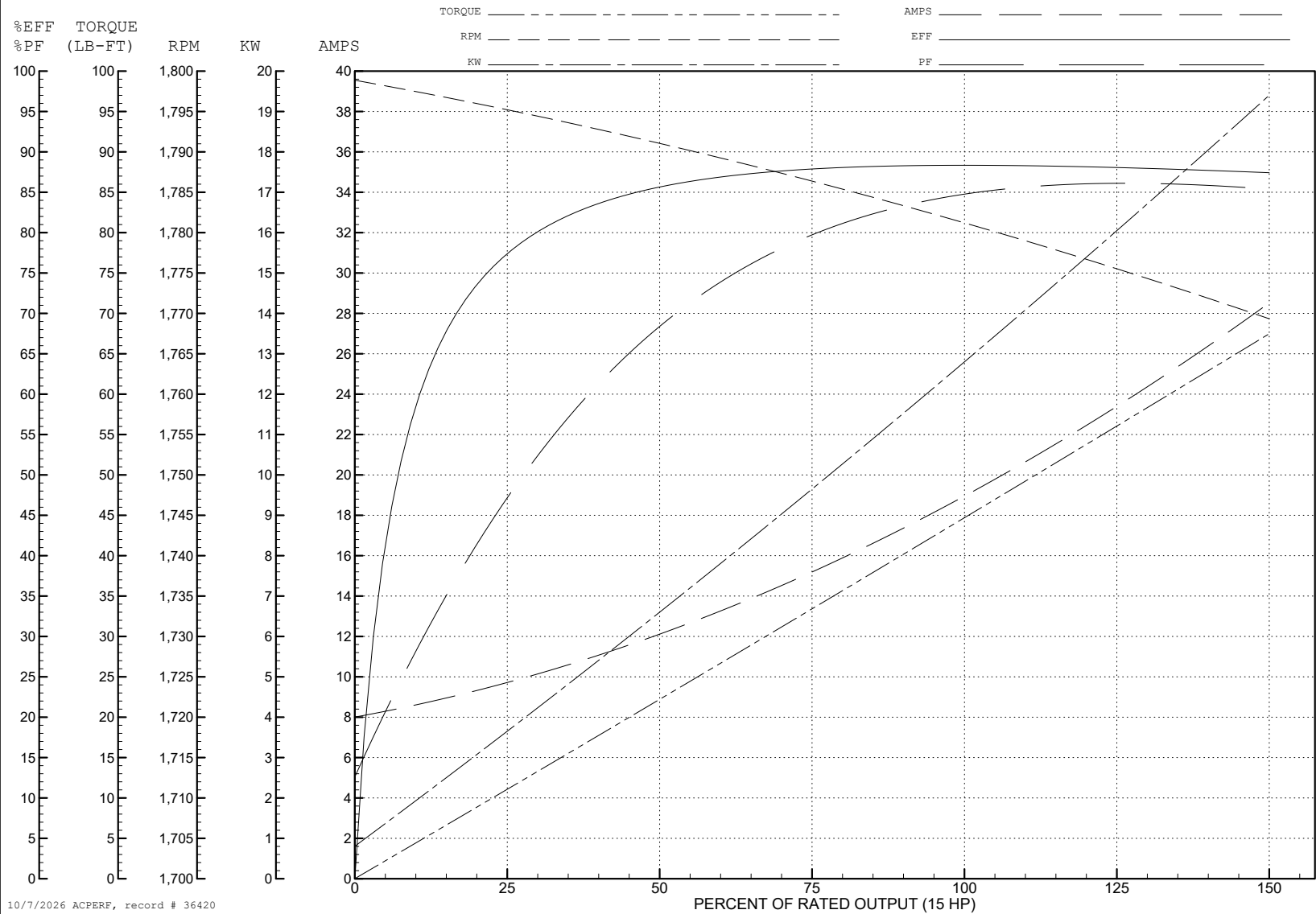
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WINDING # 10WGW439

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1781 RPM 460 V 1036M

TORQUES (LB-FT): PO=114 PU=55 LR=92 LRA=115



AC Induction Motor Performance Data

Record # 36421

Typical performance - not guaranteed values

Winding: 10WGW439-R002		Type: 1036M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	15/6.7	Full Load Torque	30 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	19.3/10	Breakdown Torque	80 LB-FT
R.P.M.	1760/1160	Pull-up Torque	45 LB-FT
Hz	60 Phase	Locked-rotor Torque	80 LB-FT
NEMA Design Code	B KVA Code	Starting Current	60 A
Service Factor (S.F.)	1.15	No-load Current	5.5 A
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	2.45 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	48°C
S.F. Amps		Temp. Rise @ S.F. Load	56°C

Load Characteristics 460 V, 60 Hz, 6.7 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	65	73	76	78	75
Efficiency	70.5	81.5	84.3	85.3	85.1	84.1	85.2
Speed	1197	1194	1191	1188	1185	1180	1186
Line amperes	6	7.1	8.4	10.2	11.9	14.3	11.2

ABB Motors and Mechanical Inc.

WINDING # 10WGW439

Typical performance - not guaranteed values.

6.7 HP 3 PH 60 HZ 1188 RPM 460 V 1036M

TORQUES (LB-FT) : PO=80 PU=45 LR=80 LRA=60

