

ABB BALDOR RELIANCE III

Customer information packet

VRBM3554T

1.5HP, 1710RPM, 3PH, 60HZ, 145TC, 7524M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Aluminum
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.600 A @ 208.0 V 4.300 A @ 230.0 V 2.150 A @ 460.0 V
Design Code	D
Duty Rating	CONT
Efficiency @ 100% Load	81.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	2.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Standards	NEMA

Part Detail

Revision	F
Type	AC
Mech. spec.	75J035
Base	
Status	PRD/A
Elec. spec.	75WGW130
Layout	75LYJ035
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	03-11-2022

Motor Type	7524M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.40 IN
Power Factor	80
Product Family	General Purpose
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1710 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L										
CAT.NO.	VRBM3554T									
SPEC.	75J035W130G1									
HP	1.5									
VOLTS	230/460									
AMP	4.3/2.15									
RPM	1710									
FRAME	145TC		HZ	60			PH	3		
SER.F.	1.15	CODE	J	DES	D	CLASS	F			
NEMA-NOM-EFF	81.5	PF	80							
RATING	40C AMB-CONT									
CC										
DE	6205		ODE	6205						
ENCL	TEFC	SN								
	SFA 4.8/2.4									

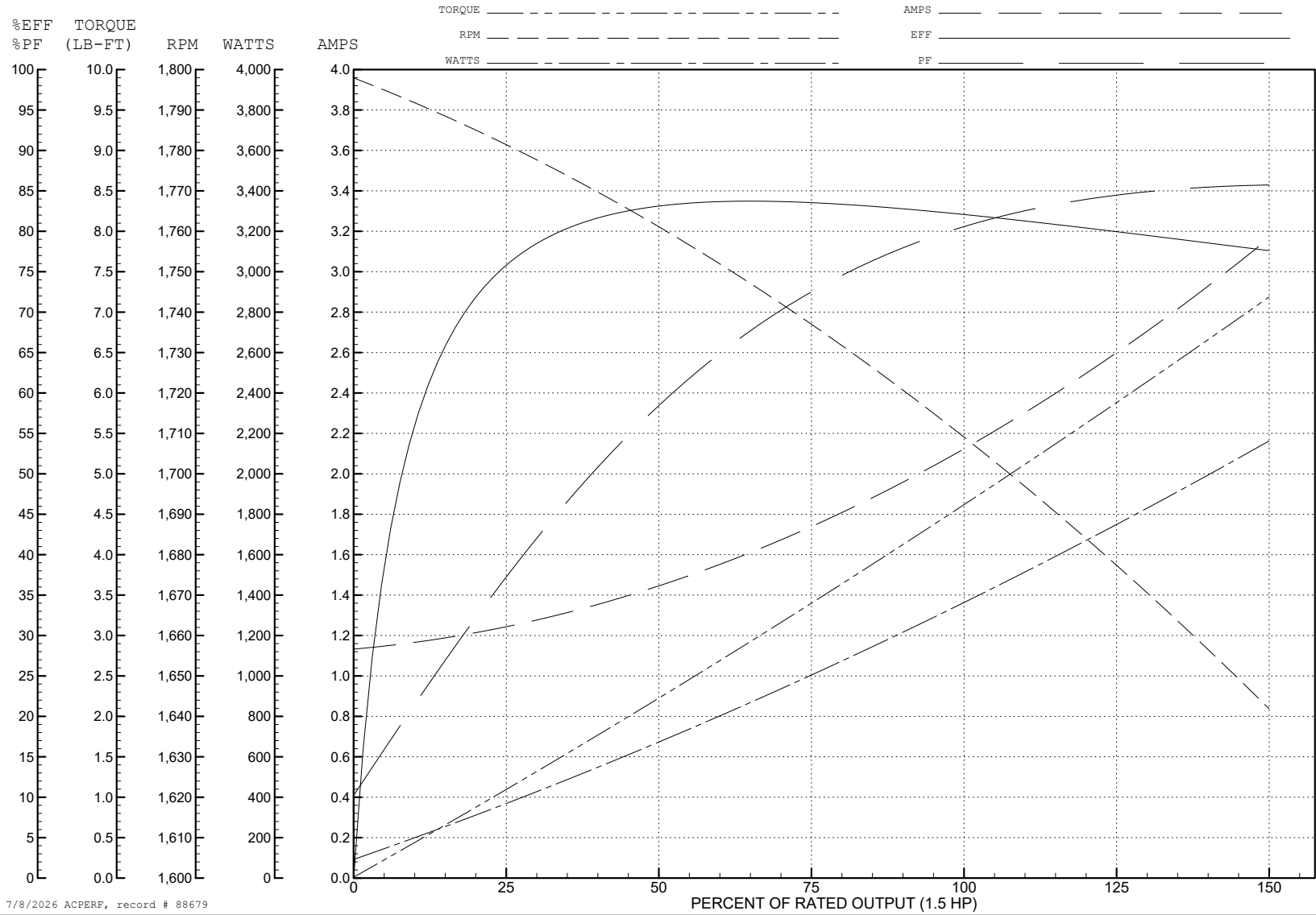
ABB Motors and Mechanical Inc.

WINDING # 75WGW130

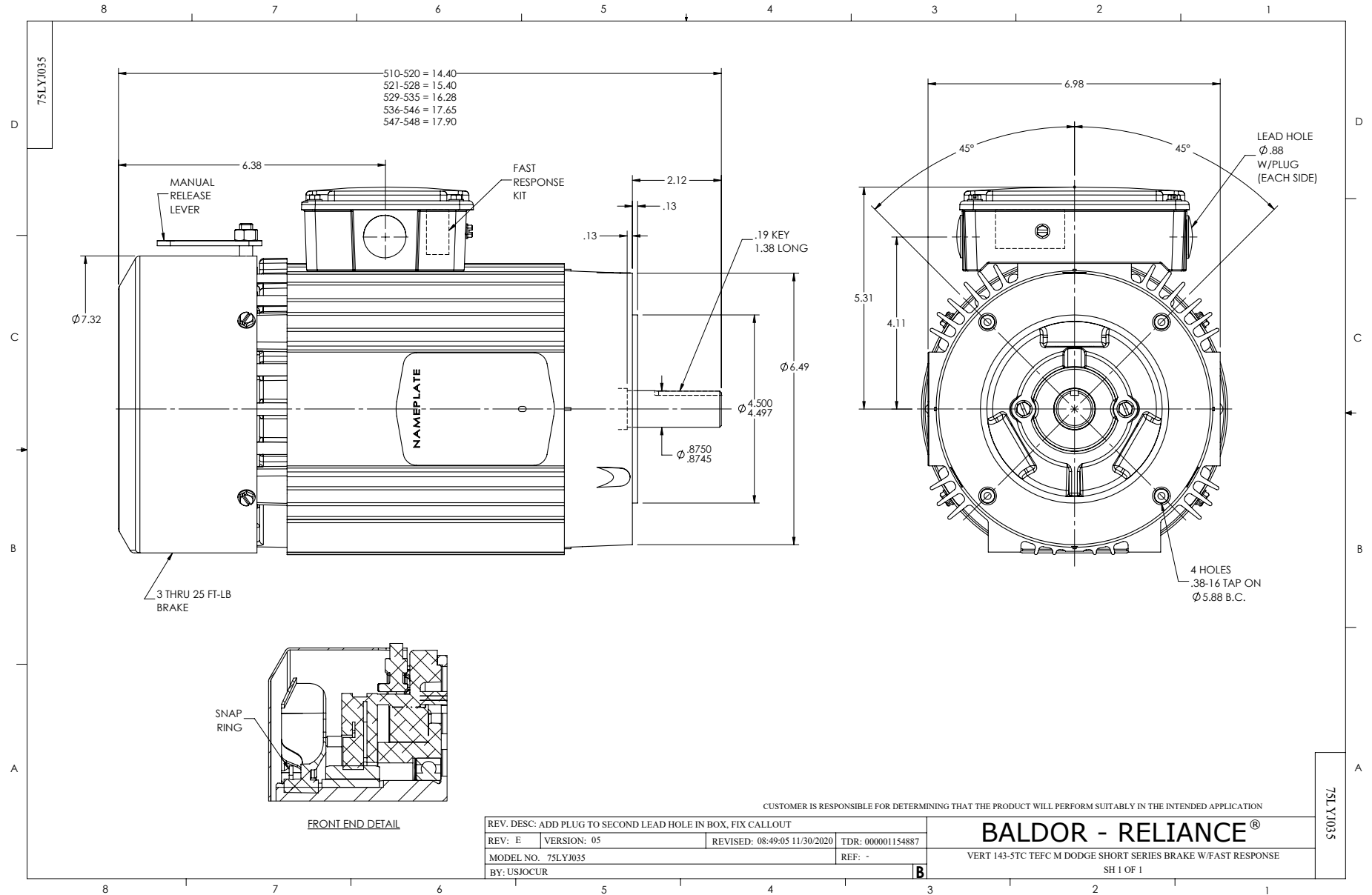
Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1710 RPM 460 V 7524M

TORQUES (LB-FT): PO=16.26 PU=13.01 LR=14.67 LRA=14.51



7/8/2026 ACPERF, record # 88679



CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS