

HVAC Resilient Cradle Motors

IEC MOTOR

FIRE PUMP MOTOR

GOST MOTOR

NEMA MOTOR

DC MOTOR

EC MOTOR

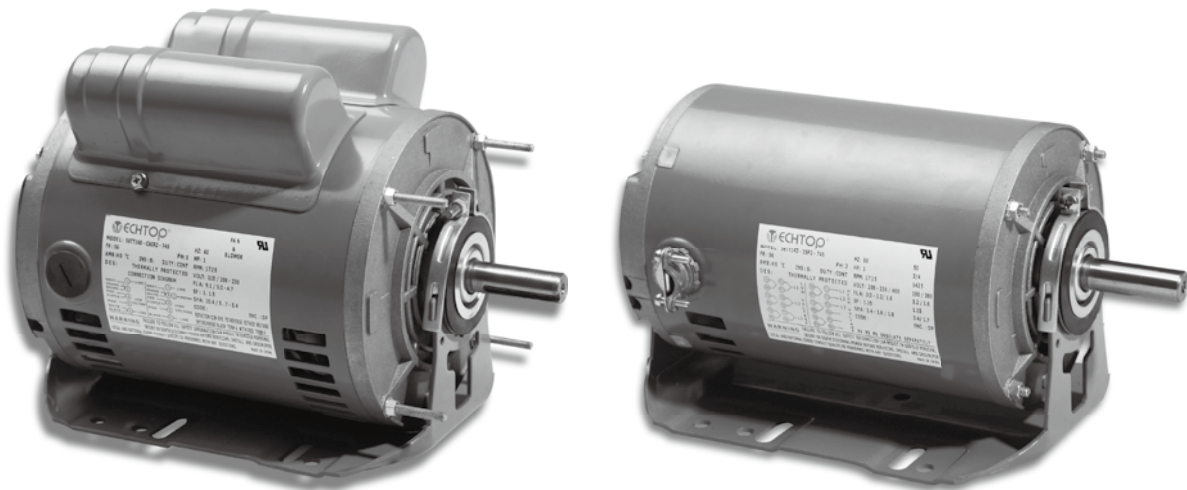
- **Capacitor Start Capacitor Run**
- **Three Phase Induction Run**

S tandard Motor Specifications

- Open Drip Proof
- 3.3" Resilient Cradle / Thru Bolt Mount (Rigid Base available)
- Dual VOLTAGE 115/208–230V Single Phase
- Dual VOLTAGE 230/460V Three Phase
- Class F Insulation – 40°C Ambient
- Single Phase Automatic Reset Thermal Protection – UL2111
- Three Phase Automatic Reset Thermal Protection – UL1004
- Inverter Duty Available

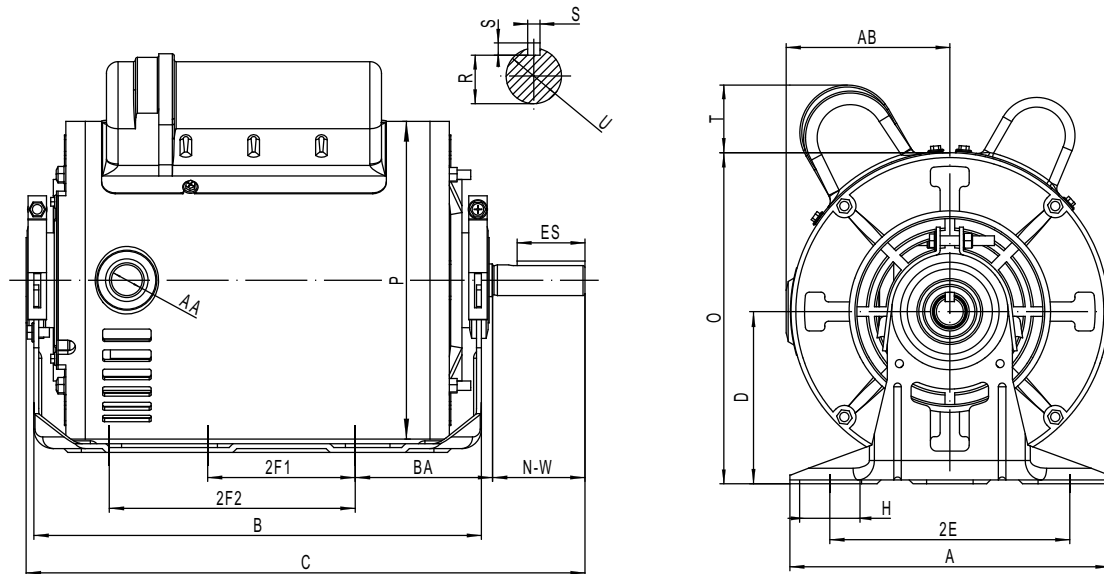
TYPICAL APPLICATIONS

- Centrifugal Blowers
- Ventilators
- Roof vents
- Tubeaxial Fans
- Sidewall Ventilators
- Tubeaxial Blowers Evaporative Coolers



※ All dimensions are as standard and can be customized to meet your requirements

H VAC Resilient Cradle Single-Phase Motors Dimensional Drawings



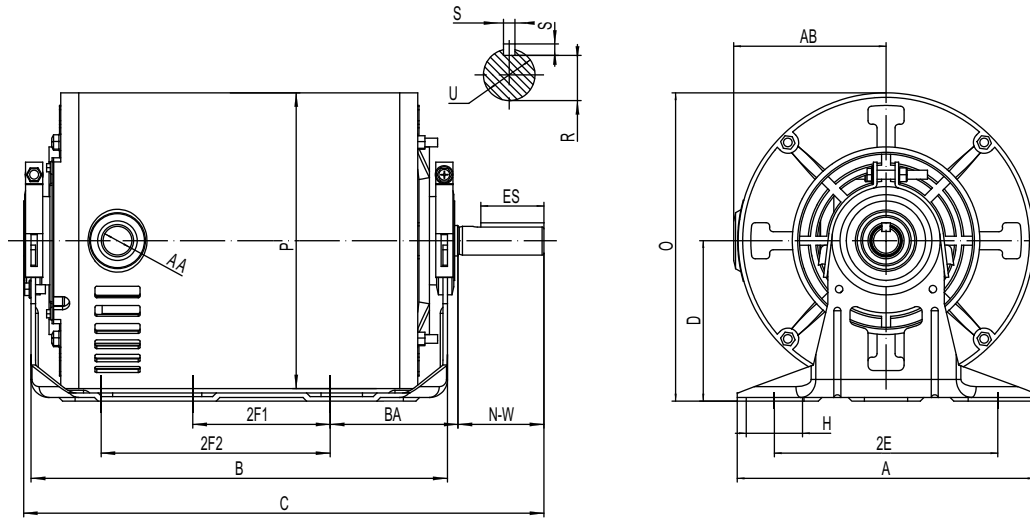
Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	AB	O	T	P	Bearing DE	Bearing NDE
48	5.63	7.6/8.1/8.5	3.0	4.24	2.75		2.50	1.09×0.34	0.50	1.50	0.453			1/2-14NPT	2.92	5.83	1.47	5.67	6203	6203
56	6.40	7.6/8.1/8.5/9.1	3.5	4.88	3		2.75	1.09×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	2.92	6.33	1.47	5.67	6203	6203
56H	6.54	9.6/11.1	3.5	4.88	3	5	2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	3.33	6.75	1.47	6.46	6203	6203
140T	6.55	9.1/9.6/11.1	3.5	5.5	4	5	2.25	0.34	0.875	2.25	0.771	1.375	0.1875	1/2-14NPT	3.33	6.75	1.47	6.46	6205	6203

HVAC Resilient Cradle Single-Phase Motors Technical Data

HP	Full Load Speed, RPM	Frame Size	EFF. 100% FL	Power Factor 100% FL	IFL 230V A	Full Load Torque Lb-Ft	Moment Of Inertia Lb-Ft Squared	Locked Rotor		TST TFL	TM TFL	Service Factor	Dim "C"
								KVA Code	ll/in				
1/4	3500	48	66.6	90	1.31	0.36	0.0069	L	8.00	3.1	2.2	1.15	9.6
		56											10
	1740	48	68.5	81	1.41	0.72	0.0261	K	6.20	3	2.4	1.15	10.1
		56											10.5
1/3	3500	48	70.5	90	1.71	0.5	0.0073	L	8.00	3.1	2.3	1.15	10.1
		56											10.5
	1740	48	72.4	81	1.85	1.01	0.0355	K	6.70	3.3	2.5	1.15	10.5
		56											10.9
1/2	3510	48	72.4	90	2.47	0.74	0.0085	L	8.20	3.3	2.6	1.15	10.5
		56											10.9
	1740	48	76.2	83	2.54	1.49	0.0451	H	5.80	2.8	2.4	1.15	11.1
		56											11.5
3/4	3510	48	76.2	92	3.41	1.10	0.0104	K	8.20	3.3	2.5	1.15	11.1
		56											11.5
	1750	56H	81.8	90	3.25	2.21	0.0854	H	6.50	2.7	2.3	1.15	12
		140T											12.3
1	3500	56H	80.4	92	4.41	1.50	0.0356	H	7.0	3.3	2.5	1.15	11.5
		140T											11.8
	1750	56H	82.6	90	4.39	3.01	0.1079	H	7.0	2.8	2.5	1.15	13.5
		140T											13.8
1.5	3500	56H	81.5	96	6.11	2.21	0.045	H	7.5	3.2	2.7	1.15	12
		140T											12.3
2	3500	56H	82.9	96	8.19	3.01	0.0522	H	6.8	3.1	2.6	1.15	13.5
		140T											13.8

H VAC Resilient Cradle Three-Phase Motors Dimensional Drawings



Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	AB	O	T	P	Bearing DE	Bearing NDE
48	5.63	7.6/8.1/8.5	3.0	4.24	2.75	2.50	1.09×0.34	0.50	1.50	0.453	1.375	0.1875	1/2-14NPT	2.92	5.83	5.67	6203	6203		
56	6.40	7.6/8.1/8.5/9.1	3.5	4.88	3	2.75	1.09×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	2.92	6.33	5.67	6203	6203		
56H	6.54	9.6/11.1	3.5	4.88	3	5	2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	3.33	6.75	6.46	6203	6203	
140T	6.55	9.1/9.6/11.1	3.5	5.5	4	5	2.25	0.34	0.875	2.25	0.771	1.375	0.1875	1/2-14NPT	3.33	6.75	6.46	6205	6203	

HVAC Resilient Cradle Three-Phase Motors Technical Data

HP	Full Load Speed, RPM	Frame Size	EFF. 100% FL	Power Factor 100% FL	IFL 460V A	Full Load Torque Lb-Ft	Moment Of Inertia Lb-Ft Squared	Locked Rotor		TST TFL	TPU TFL	TM TFL	Service Factor	Dim "C"
								KVA Code	II/in					
1/4	3450	48	65.6	70.0	0.51	0.38	0.0064	M	6.60	2.8	2.2	3.4	1.25	9.6
		56												10
	1740	48	69.5	62.0	0.54	0.76	0.0216	L	5.70	2.9	2.4	3.7	1.25	9.6
		56												10
1/3	3450	48	69.5	70.0	0.64	0.51	0.0069	M	6.70	2.7	2	3.3	1.25	10.1
		56												10.5
	1740	48	73.4	64.0	0.66	1.00	0.0261	L	6.20	3.2	2.7	3.7	1.25	10.1
		56												10.5
1/2	3450	48	73.4	72.0	0.88	0.76	0.0079	L	6.90	2.6	2	3.3	1.25	10.5
		56												10.9
	1740	48	78.2	66.0	0.91	1.51	0.0327	L	6.40	3.1	2.6	3.5	1.25	10.5
		56												10.9
3/4	3450	48	76.8	75.0	1.22	1.14	0.0092	L	7.00	2.6	2	3	1.25	10.4
		56												10.9
	1740	48	81.1	68.0	1.28	2.27	0.0451	L	7.00	3.2	2.5	3.4	1.25	11.1
		56												11.5
1	3450	56H	81.0	78.0	1.48	1.52	0.0304	K	7.3	3.5	3.1	4.25	1.25	11.5
		140T												11.8
	1740	56H	85.5	70.0	1.56	3.02	0.1023	N	9.6	4.2	3.3	5.2	1.25	13.5
		140T												13.8
1.5	3500	56H	84.0	82.0	2.04	2.25	0.0356	L	8.5	2.75	2.4	3.75	1.25	11.5
		140T												11.8
	1740	56H	86.5	75.0	2.17	4.53	0.1210	M	9.0	3.4	2.9	4.35	1.25	13.5
		140T												13.8
2	3500	56H	85.5	83.0	2.64	3.00	0.0420	K	8.5	2.8	2.4	3.75	1.25	12
		140T												12.3
3	3500	56H	86.5	86.0	3.78	4.50	0.0558	K	8.9	2.85	2.15	3.7	1.25	13.5
		140T												13.8

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