

MOTORS FOR HVAC APPLICATIONS

AT THE HEART OF WHAT DREIVES YOUR WORLD

Genteq is a leading Brand of electrical and mechanical motion control products and has been over the years acknowledged for its superior technology products worldwide. A fact which is very evident in its offering of HVAC Motors with improved Performance, Reliability and Serviceability and having a wide range of applications.

- Leadership in Bearing System
- Time-proven High Quality Insulation System
- Wide variety of Mounting Options
- Application Expertise

29-FRAME MOTOR
NEMA 42-FRAME, 125 MM (5") DIAMETER

39-FRAME MOTOR
NEMA 48-FRAME, 142 MM (5.6") DIAMETER

95 DIA MOTOR
95mm (3.74") Diameter

FOR HVAC APPLICATIONS

ADVANCE DESIGN

- Integral stator core insulation of special insulating material reduces leakage current "Wound-under" wires are prevented. Adverse moisture effects are minimized
- Precision machined end shields contribute to accurate bearing alignment to minimize starting friction and reduce bearing loading
- Lubricant system uses only highest quality oil with acid and oxidation inhibitors
- Cast aluminum fans on rotor ends provide optimum ventilation of bearings for longer motor life
- Efficient Electrical design and precise rotor-startor slot combination give cool, quite operation and lower inputs
- Ventilated shell-type construction permits cool operation for increased insulation life
- Precision machined surfaces for correct alignment of shaft and bearings
- Inner and outer slingers return oil to wicks for longer life through greater oil retention
- Two steel-backed tin-babbitt bearings minimize abrasive wear, permit accurate bearing tolerance
- Thermoplastic/EPDM/Neoprene insulated leads are used

FRAME 29 AND FRAME 39 MOTORS MAJOR APPLICATIONS

Central HVAC and window/split room air conditioners, fan coil units, furnace blowers, window and attic fans, unit heaters and coolers, commercial and industrial fans and blowers.

RANGE

TYPE	NEMA frame	Motor Diameter	Construction	Rating (HP)	No. of Poles
95 Dia	-	95 mm	Cap Can	1/30 to 1/8	4,6
FR 29	42	125 mm	Shell	1/30 to 1/3	4,6
Cap Can	42	125 mm	Cap Can	1/30 to 1/6	4,6
FR39	48	142 MM	Shell	1/10 to 1	4,6,8

Features	95 Dia	Frame 29	Frame 29 CAP CAN	Feame 39
Rated Voltage (Volts)	115,208,230,208-230,240 (1 Phase)	115,208,230,208-230,240 (1 Phase)	115,208,230,208-230,240 (1 Phase)	115,208,230,208-230,240 (1 Phase)
Frequency (Hz) Typical Speed/Hz	60, 50, 60,/50 4 pole 1625/60 1350/50 6 pole 1075/60 900/506	60, 50, 60,/50 4 pole 1625/60 1350/50 6 pole 1075/60 900/50	60, 50, 60,/50 4 pole 1625/60 1350/50 6 pole 1075/60 900/50	60, 50, 60,/50 4 pole 1625/60 1350/50 6 pole 1075/60 900/50 8 pole 810/60 675/50
Max. Speeds	4	5	3	5
Insulation	Class B	Class B	Class B	Class B
Bearings	Sleeve	Ball/Sleeve	Sleeve	Ball/Sleeve
Rotation	CW/CCWSE	CW/CCWSE/Reversible	CW/CCWSE	CW/CCWSE/Reversible
Duty	Cont. Air Over	Cont. Air Over	Cont. Air Over	Cont. Air Over
Capacitor	Loose/Case Mounted	Loose/Mounted on shell	Loose/Case Mounted	Loose/Mounted on shell
Construction	TENV	TENV/OPEN/DP	TENV	TENV/OPEN/DP
Endshield	NA	Aluminium Flat Face/Std.Hub	NA	Aluminium Flat Face/Std.Hub
Material	Low Carbon Steel (CAP CAN)	Low Carbon Steel (Shell)	Low Carbon Steel (CAP CAN)	Low Carbon Steel
Paint	Powder Coated grey	Powder Coated Grey	Powder Coated Grey	Powder Coated Grey
Shaft Mat.	SS or Carbon Steel	SS or Carbon Steel	SS or Carbon Steel	SS or Carbon Steel
Mounting Arrangement	Integrated Lug	Resilient Base, Rubber Ring Lug, Case Bolt, Pad, C Ring	Plate mounting	Resilient Base, Rubber Ring Lug, Case Bolt, Pad, C Ring

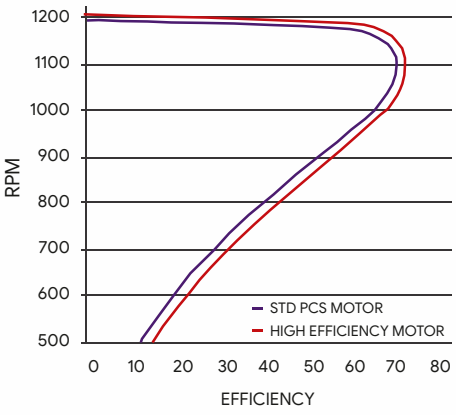
- UL approved motors available
- Alteration in shaft Length, Shaft diameter, voltage, frequency and speeds possible

HIGH EFFICIENT PSC MOTORS

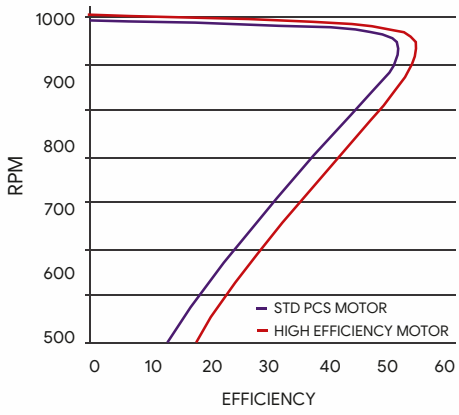
RANGE

TYPE	NEMA frame	Motor Diameter	Construction	Rating (HP)	No. of Poles
95 Dia	-	95 mm	Cap Can	1/12 to 1/30	6
FR 29	42	125 mm	Shell/Cap Can	1/30 to 1/3-1/8	6
FR 29	48	142 mm	Shell	1/10 to 1	6

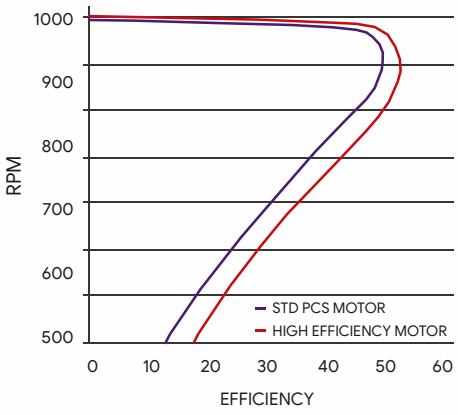
FR-39 EFFICIENCY COMPARISION



FR-29 EFFICIENCY COMPARISION



95 DIA EFFICIENCY COMPARISION



REGAL REXNORD INDIA PVT. LTD.
Sec.-11 Model Town, Faridabad-121006
Tel: +91-129 7102300
Toll Free No.: 1800-313-7756
E-mail: Genteqindia_customercare@regalrexnord.com, Genteqindiasales@regalrexnord.com
Website: www.genteqindia.com | www.regalrexnord.com

A Regal Rexnord Brand
Regal Rexnord
www.regalrexnord.com