

Diesel Gensets - High Speed, Air-Cooled (FTA) - 3.5 kVA to 7.5 kVA [1 & 3 Phase]

(iii) These A.C.Generators Are Suitable For Running Under Ambient Temperature Less Than 40 Degree & Altitude Less Than 1000 Metres.

(iv) In Case, Resistive Or Inductive Type Genset Is Mounted On Rubber Wheel Trolley Instead Of M.S.Base Frame, The Additional Nett / Gross Weight Will Be As Under :

(a) For Genset With 1/2 cylinder Engine Mounted On 4 Rubber Wheel Trolley 15 kgs. Extra

(b) For Genset With 2 cylinder Engine Mounted On 6 Rubber Wheel Trolley 22.5 kgs. Extra

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TECHNICAL DATA (STANDARD GENSETS)					
Petter Type, High Speed, Air-Cooled (FTA & BTA) Diesel Gensets (Direct Coupled)					
1-Phase, 240 Volts, 1500 RPM, 50 Hz, 4 Poles & 1.0 Unity Power Factor					
Sr. No.	Genset Model No. Resistive Type & Inductive Type	A.C. Generator Data kVA (kW) (Max.-Amp) & Model No. R & I Type	Diesel Engine Data HP (kW) (No. Of Cyl.) & Model No. F & B Type	Resistive Type Genset Weight with M.S.Base Frame Nett/Gross (kgs)	Inductive Type Genset Weight with M.S.Base Frame Nett/Gross (kgs)
1	76AS-RF 77AS-RF	3.5 (3.5) (14.6) 35KS-R	7.5 (5.5) (One) 76A-FTA, 77A-FTA	270 / 420 (76AS-RF) 285 / 435 (77AS-RF)	---
2	85AS1-RF 85AS1-IF	5.0 (5.0) (20.8) 50KS-R, 50KS-I	10.0 (7.35) (One) 85A-FTA	325 / 475 85AS1-RF	330 / 480 85AS1-IF
3	85AS-RF 85AS-IF	6.0 (6.0) (25.0) 60KS-R, 60KS-I	10.0 (7.35) (One) 85A-FTA	335 / 485 85AS-RF	340 / 490 85AS-IF
3-Phase, 415 Volts, 50 Hz, 4 Poles & 0.8 Power Factor (Lagging)					
4	57AT-RF 67AT-RF	5.0 (4.0) (7.0) 50KT-R	8.0 (5.9) (One) 57A-FTA, 67A-FTA	305 / 455 (57AT-RF) 320 / 470 (67AT-RF)	---
5	85AT1-RF 85AT1-IF	6.5 (5.2) (9.0) 65KT-R, 65KT-I	10.0 (7.35) (One) 85A-FTA	340 / 490 85AT1-RF	325 / 475 85AT1-IF
6	85AT-RF 85AT-IF	7.5 (6.0) (10.4) 75KT-R, 75KT-I	10.0 (7.35) (One) 85A-FTA	345 / 495 85AT-RF	330 / 480 85AT-IF

Note:

All Above Diesel Engines Comprised With Gensets Are Having Governing Class A2.

- FTA = Fan Type Air-Cooled
- BTA = Blower Type Air-Cooled

Resistive (Load) Type A.C.Generators are made of m.s. body & are double ball bearing type. These are self excited, drip proof, screen protected & self ventilated. class of winding is 'f' & are diode type. The degree of protection is IP21. Voltage regulation is +/- 10%. resistive (Load) type diesel gensets are

suitable for light duty / low torque load applications such as lightening, electric fans & other light duty domestic loads etc.

Inductive (Load) Type A.C. Generators are made of aluminium body & are double ball bearing type. these are self excited, drip proof, screen protected & self ventilated. class of winding is 'h' & are transformer type. The degree of protection is IP23. Voltage regulation is +/- 5%. Brushless with avr (automatic voltage regulator) type a.c. generators instead of transformer type a.c. generators can also be made available with voltage regulation +/- 1%. Inductive (Load) type diesel gensets are suitable for heavy duty / high torque load applications such as for running electric motors, submersible pumpsets, air-conditioners etc.

For any type of long duration high torque load, technically different specification & site conditions, diesel genset has to be selected accordingly. For such application kindly contact us for right selection.