

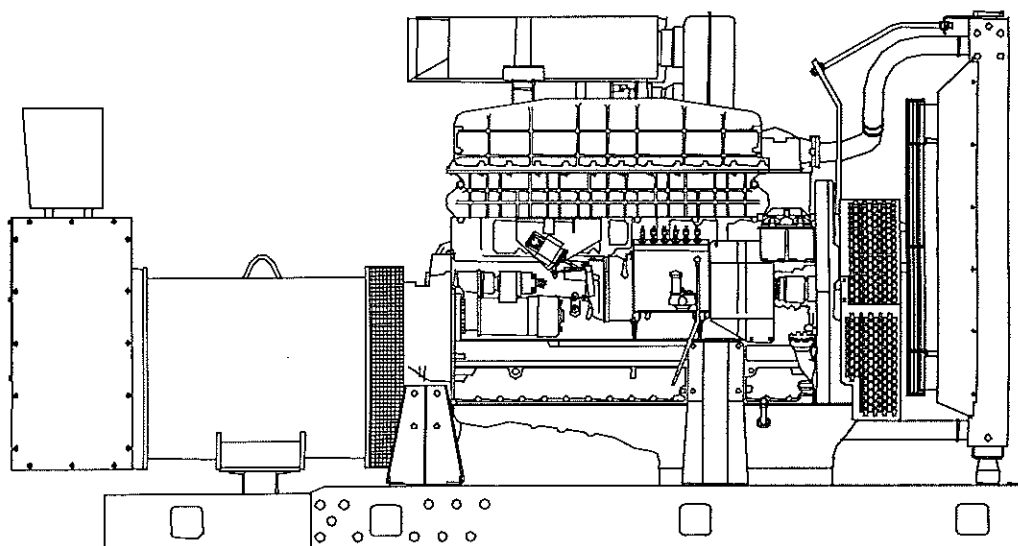
DIESEL



D400F*V4 D350F*V5

**400 KW @ 60 Hz.
350 KW @ 50 Hz.**
Stand-By Power

**350 KW @ 60 Hz.
325 KW @ 50 Hz.**
Prime Power



- Katolight's commitment to quality has been an industry standard since 1952.
- Katolight specializes in custom designing any application to meet the customers' most stringent specifications.
- Each and every unit is factory tested. This can eliminate costly startup and installation delays.
- Katolight supplies a broad range of accessories, fully integrated to our generator sets, to match any requirement worldwide.
- All generator set components and accessories are covered by Katolight with a limited two-year warranty. Optional warranty periods are also available.
- Katolight product accepts 100% of nameplate rating, per NFPA 110, in one step.

Katolight Model	Volts	Hz	Phase	Power Factor	Standby Amps	Standby Ratings kW/kVA	Prime Ratings kW/kVA	Connection
D400FRV4	277/480	60	3	0.8	601	400/500	350/437.5	12 LEAD HI WYE
D400FPV4	120/208	60	3	0.8	1,388	400/500	350/437.5	12 LEAD LOW WYE
D400FJV4	120/240	60	3	0.8	1,203	400/500	350/437.5	12 LEAD HI DELTA
D400FNV4	347/600	60	3	0.8	481	400/500	350/437.5	4 LEAD WYE
D400FGV4	120/240	60	1	1.0	1,667	400/400	350/350	12 LEAD ZIG-ZAG
D350FRV5	220/380	50	3	0.8	665	350/437.5	325/406.25	12 LEAD HI WYE
D350FPV5	110/190	50	3	0.8	1,329	350/437.5	325/406.25	12 LEAD LOW WYE
D350FJV5	110/220	50	3	0.8	1,148	350/437.5	325/406.25	12 LEAD HI DELTA
D350FGV5	110/220	50	1	1.0	1,591	350/350	325/325	12 LEAD ZIG-ZAG

KATOLIGHT

D400F*V4 Diesel Gen-Set

ENGINE TECHNICAL DATA

	60 Hz	50 Hz
Model:	TWD1630GP	
Type:	4 - Cycle	
Aspiration:	Turbocharged - Water to Air Intercooled	
Cylinder Arrangement:		
(Number, inline, V, etc.):	6 - Inline	
Displacement - Cu. In. (lit)	.984 (16.1)	
Bore - in. (cm) x stroke - in. (cm)	5.67 (14.4) x 6.50 (15.5)	
Compression Ratio:	15:1	
Rated RPM	1800	1500
BMEP: psi (kPa)	270 (1,862)	290 (1,999)
Maximum Power at Rated RPM - hp(kW)	605 (445)	541 (398)

INSTALLATION DATA *

Dimensions & Weight		
Length: in. (cm)		128.00 (325.12)
Width: in. (cm)		46.88 (119.06)
Height: in. (cm)		67.44 (171.29)
Weight (dry) : lb. (Kg)		6,264 (2,841)
Liquid Capacity		
Total Oil System: gal/(lit)		16.9 (64)
Engine Jacket Water Capacity: gal/(lit)		10.0 (38)
System Coolant Capacity: gal/(lit)		17.7 (67)
Electrical System		
Electric Volts DC		24
Cold Cranking Amps		
under 0°F (-17.8°C)		1,155
Exhaust System		
Gas Temp. (Stack): °F (°C)	930 (500)	930 (500)
Gas Volume at Stack Temp.: CFM (m³/min)	3,294 (93.3)	2,797 (79.2)
Maximum Allowable Back		
Pressure: in. H2O (kPa)	28.1 (6.9)	20.1 (5.0)
Emissions - HC: g/hp-hr	.23	C/F
Emissions - CO: g/hp-hr	.86	C/F
Emissions - NO _x : g/hp-hr	5.44	C/F
Cooling System		
Ambient Capacity of Radiator: °F °C	110 (43)	114 (46)
Maximum Allowable Static		
Pressure on Rad. Exhaust: in. H2O (kPa)	.5 (.12)	.5 (.12)
Water Pump Capacity: gpm (lit/min)	173 (654)	144 (546)
Heat Rejection to Coolant: BTUM (kW)	15,400 (271)	13,300 (234)
Heat Radiated to Ambient: BTUM (kW)	3,247 (57)	3,152 (55)
Air Requirements		
Aspirating: CFM (m³/min)	1,271 (36)	1,059 (30)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)	18,434 (522)	14,938 (423)
Air Flow Required for Heat Exchanger/Remote Rad. based on 20°F Rise: CFM (m³/min)	9,019 (255)	8,758 (248)
Fuel Consumption: gal/hr (lit/hr)		
At 100% of Power Rating:	30.0 (114)	25.6 (97.1)
At 75% of Power Rating:	21.8 (82.4)	18.9 (71.7)
At 50% of Power Rating:	14.9 (56.4)	12.9 (48.8)
Sound Level Data †		
Sound level at full load		
23 ft (7m) opn w/ critical grade muffler (dBA)	92	87
23 ft (7m) Sound Attenuated Housing (dBA)	83	78
Sound level at no load		
23 ft (7m) opn w/ critical grade muffler (dBA)	89	84
23 ft (7m) Sound Attenuated Housing (dBA)	78	74
Deration		
Altitude		
4% per 1,640 ft above		3,280 ft
4% per 500 m above		1,000 m
Temperature		
1.5% per 9°F above		104°F
1.5% per 5°C above		40°C

* Installation data based on 480 volt, 60 Hz. application and open power unit.

† For sound level readings with other Katolight housings, please contact factory.

Sound level data acquired per Test Method SAE J1074. Installation factors and site conditions can affect sound levels.