



Circular Tube

Performance	2701001	2701002	2701003	2701004	2701005	2701006	2701007	2701008
Rated Output(KW)	1.8	2.2	2.8	3.5	4.5	5.5	6.5	8.0
Max. Output(KW)	2.0	2.5	3.0	4.0	5.0	6.5	7.5	9.0
Rated Voltage(V)	120	120	120	120	120	120	120	120
Rated Frequency(HZ)	60	60	60	60	60	60	60	60
DC Output(V-A)	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A

Engine Information

Engine Type	4-stroke, Air-cooled, Single Cylinder (Cu)							
Displacement(CC)	196	196	196	270	389	389	420	460
Starting System	Electric Start							
Phase No.	Single Phase							

Performance	2701011	2701012	2701013	2701014	2701015	2701016	2701017	2701018
Rated Output(KW)	1.8	2.2	2.8	3.5	4.5	5.5	6.5	8.0
Max. Output(KW)	2.0	2.5	3.0	4.0	5.0	6.5	7.5	9.0
Rated Voltage(V)	120	120	120	120	120	120	120	120
Rated Frequency(HZ)	60	60	60	60	60	60	60	60
DC Output(V-A)	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A

Engine Information

Engine Type	4-stroke, Air-cooled, Single Cylinder (Cu)							
Displacement(CC)	196	196	196	270	389	389	420	460
Starting System	Hand-operated Start							
Phase No.	Single Phase							

Package

Fuel Tank Capacity(L)	15	15	15	15	15	20	20	20
Package Size(CM)	63.5X52X52.5	63.5X52X52.5	63.5X52X52.5	75X59X63.5	75X59X63.5	75X59X63.5	75X59X63.5	75X59X63.5
Net Weight(KG)	44	46	48	80	85	90	95	105



Performance	2701101
Rated Output(KW)	1.8
Max. Output(KW)	2.2
Rated Voltage(V)	120V ~ 240V~380V
Rated Frequency(HZ)	50/60
DC Output(V-A)	12V/8.3A

Engine Information

Engine Model	168F (Al)
Displacement(CC)	196
Starting System	Hand-operated Start
Phase No.	Three Phase

Package

Fuel Tank Capacity(L)	15
Package Size(CM)	62×46×44
Net Weight(KG)	46

Performance	2701102	2701103	2701104
Rated Output(KW)	2.8	2.8	2.8
Max. Output(KW)	3.0	3.0	3.2
Rated Voltage(V)	120V ~ 240V~380V		220V~380V
Rated Frequency(HZ)	50/60		50
DC Output(V-A)	12V/8.3A		

Engine Information

Engine Model	168F (Al)	168F (Al)	168F (Cu)
Displacement(CC)	212	212	212
Starting System	Hand Start	Electric Start	Hand Start
Phase No.	Three Phase	Three Phase	Three Phase

Package

Fuel Tank Capacity(L)	15	15	15
Package Size(CM)	62×46×44	62×46×44	60.5×47×43.5
Net Weight(KG)	46	46	46





Performance	2701105	2701106	2701107
Rated Output(KW)	2.8	2.8	2.8
Max. Output(KW)	3.0	3.0	3.2
Rated Voltage(V)	120V ~ 240V~380V		220V~380V
Rated Frequency(HZ)	50/60		50
DC Output(V-A)	12V/8.3A		

Engine Information			
Engine Model	168F (Al)	168F (Al)	168F (Cu)
Displacement(CC)	212	212	212
Starting System	Hand Start	Electric Start	Hand Start
Phase No.	Three Phase	Three Phase	Three Phase

Package			
Fuel Tank Capacity(L)	15	15	15
Package Size(CM)	62x46x44	62x46x44	60.5x47x43.5
Net Weight(KG)	48	48	48

Folding Handle and Transport-wheels for Portability



Performance	2701110	2701111
Rated Output(KW)	2.5	2.5
Max. Output(KW)	2.8	2.8
Rated Voltage(V)	120V ~ 240V~380V	
Rated Frequency(HZ)	50/60	
DC Output(V-A)	12V/8.3A	

Engine Information		
Engine Model	168F (Al)	168F (Al)
Displacement(CC)	196	196
Starting System	Hand Start	Electric Start
Phase No.	Three Phase	Three Phase

Package		
Fuel Tank Capacity(L)	15	15
Package Size(CM)	59x43.5x44	59x43.5x44
Net Weight(KG)	45	45

Folding Handle and Transport-wheels for Portability

Performance	2701108	2701109
Rated Output(KW)	2.5	2.5
Max. Output(KW)	2.8	2.8
Rated Voltage(V)	120V ~ 240V~380V	
Rated Frequency(HZ)	50/60	
DC Output(V-A)	12V/8.3A	

Engine Information		
Engine Model	168F (Al)	168F (Al)
Displacement(CC)	196	196
Starting System	Hand Start	Electric Start
Phase No.	Three Phase	Three Phase

Package		
Fuel Tank Capacity(L)	15	15
Package Size(CM)	59x43.5x44	59x43.5x44
Net Weight(KG)	43	43



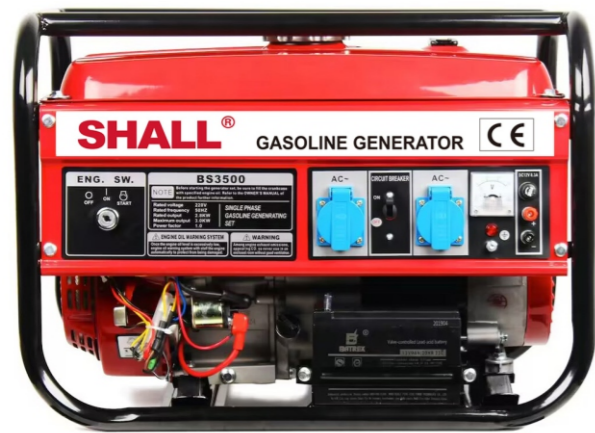
Performance	2701121	2701122
Rated Output(KW)	2.8	6.0
Max. Output(KW)	3.2	6.5
Rated Voltage(V)	110V~220V	
Rated Frequency(HZ)	50/60	
DC Output(V-A)	12V/8.3A	

Engine Information		
Engine Model	170F (Cu)	190F (Cu)
Displacement(CC)	210	420
Starting System	Electric Start	Electric Start
Phase No.	Single Phase	Single Phase
Material of Winding	100% Copper	100% Copper

Package		
Fuel Tank Capacity(L)	15	25
Package Size(CM)	60.5x47x43.5	71x53x55
Net Weight(KG)	48	89

Folding Handle and Transport-wheels for Portability





Performance		2701123
Rated Output(KW)		5.0
Max. Output(KW)		5.5
Rated Voltage(V)		110V~220V
Rated Frequency(HZ)		50/60
DC Output(V-A)		12V/8.3A
Engine Information		
Engine Model		188F (Cu)
Displacement(CC)		389
Starting System		Hand-operated Start
Phase No.		Single Phase
Material of Winding		100% Copper
Package		
Fuel Tank Capacity(L)		25
Package Size(CM)		71×53×55
Net Weight(KG)		86

Performance	2701201	2701202	2701203	2701204
Rated Output(KW)	5.0	5.0	5.0	5.0
Max. Output(KW)	5.5	5.5	5.5	5.5
Rated Voltage(V)	110V / 220V / 400V			220V
Rated Frequency(HZ)	50/60		50	
DC Output(V-A)	8.5V		8.5V	
Engine Information				
Engine Model	190F (Cu)	190F (Cu)	190F (Cu)	190F (Cu)
Displacement(CC)	400	400	400	400
Starting System	Hand Start	Electric Start	Hand Start	Electric Start
Phase No.	Three Phase	Three Phase	Single Phase	Single Phase
Package				
Fuel Tank Capacity(L)	25	25	25	25
Package Size(CM)	70x52x56	70x52x56	70x52x56	70x52x56
Net Weight(KG)	81	83	81	83



Performance		2701211	2701212
Rated Output(KW)		5.0	5.0
Max. Output(KW)		5.5	5.5
Rated Voltage(V)		120V~240V	120V~240V
Rated Frequency(HZ)		50	50
DC Output(V-A)		12V/8.3A	12V/8.3A
Engine Information			
Engine Model		H420 (Cu)	H420 (Cu)
Displacement(CC)		420	420
Starting System		Hand Start	Electric Start
Phase No.		Single Phase	Single Phase
Package			
Fuel Tank Capacity(L)		25	25
Package Size(CM)		70x54x58	70x54x58
Net Weight(KG)		80	83

Performance	2701213	2701214
Rated Output(KW)	5.0	5.0
Max. Output(KW)	5.5	5.5
Rated Voltage(V)	120V~240V	120V~240V
Rated Frequency(HZ)	50	50
DC Output(V-A)	12V/8.3A	12V/8.3A
Engine Information		
Engine Model	H420 (Cu)	H420 (Cu)
Displacement(CC)	420	420
Starting System	Hand Start	Electric Start
Phase No.	Single Phase	Single Phase
Package		
Fuel Tank Capacity(L)	25	25
Package Size(CM)	70x54x58	70x54x58
Net Weight(KG)	80	83



Folding Handle and Transport-wheels for Portability



Performance	2701215	2701216
Rated Output(KW)	4.0	4.0
Max. Output(KW)	4.3	4.3
Rated Voltage(V)	230V	230V
Rated Frequency(HZ)	50	50
DC Output(V-A)	12V/8.3A	12V/8.3A

Engine Information		
Engine Model	188F (Cu)	188F (Cu)
Displacement(CC)	389	389
Starting System	Hand Start	Electric Start
Phase No.	Single Phase	Single Phase

Package		
Fuel Tank Capacity(L)	25	25
Package Size(CM)	69x53x55	69x53x55
Net Weight(KG)	70	70

Folding Handle and Transport-wheels for Portability



Performance	2701221
Rated Output(KW)	5.0
Max. Output(KW)	5.5
Rated Voltage(V)	110V / 220V
Rated Frequency(HZ)	50/60
DC Output(V-A)	12V/8.3A

Engine Information	
Engine Model	JF420 (Cu)
Displacement(CC)	420
Starting System	Electric Start
Phase No.	Single Phase

Package	
Fuel Tank Capacity(L)	25
Package Size(CM)	73x60x60
Net Weight(KG)	90

Folding Handle and Transport-wheels for Portability

Performance	2701217	2701218
Rated Output(KW)	5.0	5.0
Max. Output(KW)	5.5	5.5
Rated Voltage(V)	230V	230V
Rated Frequency(HZ)	50	50
DC Output(V-A)	12V/8.3A	12V/8.3A

Engine Information		
Engine Model	188F (Cu)	188F (Cu)
Displacement(CC)	389	389
Starting System	Hand Start	Electric Start
Phase No.	Single Phase	Single Phase

Package		
Fuel Tank Capacity(L)	25	25
Package Size(CM)	69x53x55	69x53x55
Net Weight(KG)	76	76

Folding Handle and Transport-wheels for Portability



Performance	2701222
Rated Output(KW)	5.0
Max. Output(KW)	5.5
Rated Voltage(V)	110V / 220V
Rated Frequency(HZ)	50/60
DC Output(V-A)	12V/8.3A

Engine Information	
Engine Model	JF420 (Cu)
Displacement(CC)	420
Starting System	Electric Start
Phase No.	Single Phase

Package	
Fuel Tank Capacity(L)	25
Package Size(CM)	78x60x59
Net Weight(KG)	90

Folding Handle and Transport-wheels for Portability





Performance	2701223
Rated Output(KW)	5.0
Max. Output(KW)	5.5
Rated Voltage(V)	110V / 220V
Rated Frequency(HZ)	50/60
DC Output(V-A)	12V/8.3A

Engine Information	
Engine Model	JF420 (Cu)
Displacement(CC)	420
Starting System	Electric Start
Phase No.	Single Phase

Package	
Fuel Tank Capacity(L)	25
Package Size(CM)	70x58x56
Net Weight(KG)	85

Folding Handle and Transport-wheels for Portability



Performance	2701301
Rated Output(KW)	8.5
Max. Output(KW)	9.0
Rated Voltage(V)	110
Rated Frequency(HZ)	60
DC Output(V-A)	12V/8.3A

Engine Information	
Engine Model	192F-A (Cu)
Displacement(CC)	460
Starting System	Electric Start
Phase No.	Three Phase

Package	
Fuel Tank Capacity(L)	25
Package Size(CM)	68x55x58
Net Weight(KG)	95

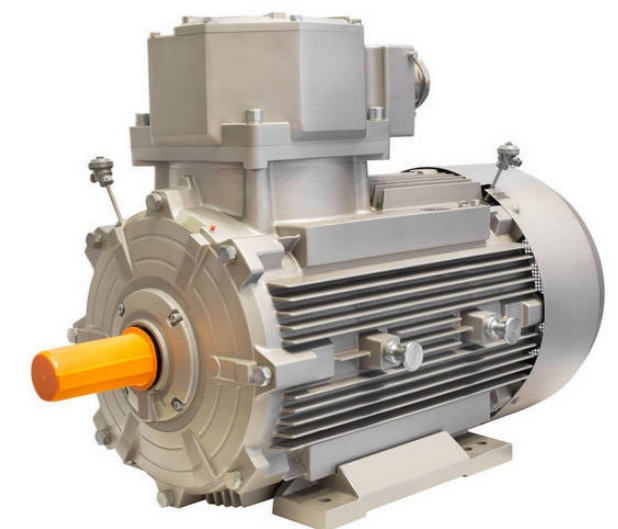
Folding Handle and Transport-wheels for Portability

Performance	2701224
Rated Output(KW)	5.0
Max. Output(KW)	5.5
Rated Voltage(V)	110V / 220V
Rated Frequency(HZ)	50/60
DC Output(V-A)	12V/8.3A

Engine Information	
Engine Model	JF420 (Cu)
Displacement(CC)	420
Starting System	Electric Start
Phase No.	Single Phase

Package	
Fuel Tank Capacity(L)	25
Package Size(CM)	70x58x56
Net Weight(KG)	85

Folding Handle and Transport-wheels for Portability





Performance	2702101	2702102	2702103	2702104	2702105
Rated Output(KW)	1.8	2.3	2.8	3.2	5.0
Max. Output(KW)	2.0	2.5	3.0	3.5	5.5
Rated Voltage(V)	230	230	230	230	230
Rated Frequency(HZ)	50	50	50	50	50
DC Output(V-A)	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A
Noise Level(DB)	62	62	63	63	64

Engine Information

Engine Model	148F/P-3(Cu)	148F/P-2(Cu)	164F/P(Cu)	165F/P(Cu)	180F/P-2(Cu)
Displacement(CC)	79.7	79.7	145	160	312
Starting System	Hand Start	Hand Start	Hand Start	Electric Start	Electric Start
Phase No.	Single Phase				

Package

Fuel Tank Capacity(L)	4.5	4	4	6.7	15
Package Size(CM)	47.5×27×40.5	48×29×44	48×29×44	54×31×50.5	61×47×53.5
Net Weight(KG)	15	18.5	21.5	23	52

Performance	2702201
Rated Output(KW)	1.6
Max. Output(KW)	2.0
Rated Voltage(V)	100/110/120/220/230/240V
Rated Frequency(HZ)	50/60
DC Output(V-A)	12V/5A
Noise Level(DB)	60

Engine Information

Engine Model	DJ148F (Cu)
Displacement(CC)	79.7
Starting System	Hand Start
Phase No.	Single Phase

Standard Features

AC Socket	with
Overload Protector	with
Voltmeter	with
Air Circuit-breaker	with

Package

Fuel Tank Capacity(L)	3.8
Package Size(CM)	51x28x45.5
Net Weight(KG)	20



Performance	2703102
Rated Output(KW)	12 11
Max. Output(KW)	13 12
Rated Voltage(V)	110
Rated Frequency(HZ)	60
DC Output(V-A)	12V/5A
Noise Level(DB)	72

Engine Information

Engine Model	JF460 (Cu)
Displacement(CC)	460
Starting System	Electric Start
Phase No.	Single Phase

Standard Features

AC Socket	with
Oil Alert	with
Voltmeter	with
Air Circuit-breaker	with

Package

Fuel Selection	90# Unleaded Petrol Gas
Fuel Tank Capacity(L)	25
Package Size(CM)	75x65x59
Net Weight(KG)	104

Performance	2703101
Rated Output(KW)	12 11
Max. Output(KW)	13 12
Rated Voltage(V)	110
Rated Frequency(HZ)	60
DC Output(V-A)	12V/5A
Noise Level(DB)	85

Engine Information

Engine Model	2V80F(Cu)
Displacement(CC)	764
Starting System	Electric Start
Phase No.	Single Phase

Standard Features

AC Socket	2
Oil Alert	with
Voltmeter	with
Air Circuit-breaker	with

Package

Fuel Selection	90# Unleaded Petrol Gas
Fuel Tank Capacity(L)	35
Package Size(CM)	93x56x75
Net Weight(KG)	175





Performance	2704101	2704102
Rated Output(KW)	15	30
Max. Output(KW)	16	31
Rated Voltage(V)	230V(400V)	230V(400V)
Rated Frequency(HZ)	50	50
Noice Level(DB)	69	75

Engine Information		
Engine Type	4-Stroke OHV Double-Cylinder Air-Cooled	4-Stroke OHV Four-Cylinder Air-Cooled
Engine Model	R999	R999
Engine Speed (rpm)	3600	3600
Displacement(CC)	450	474
Starting System	Electric Start	
Phase No.	Single Phase	

Package		
Fuel	90# Unleaded Petrol	90# Unleaded Petrol
Fuel Tank Capacity(L)	25	35
Package Size(CM)	118.5x70x97	130x82x80
Net Weight(KG)	250	320