

Broadcrown 50Hz Diesel Generators Technical Data - 91

Product Reference Specifications PERKINS POWERED RANGE 3 PHASE 400/230-415/240V												
Genset Model	Prime Rating (PRP) or Standby (ESP)	Rating at 400/230V		Engine Specifications					Open Set Version			
		(kVA)	(kWe)	Engine Model	Cylinder Arrangement	Cubic Capacity (litres)	Fuel Cons 100% Load (l/h)	Alternator Model	Dimensions Length×Width×Height (mm)	Weight (wet) (kg)	Fuel Tank Capacity (litres)	
BCP 640P-50	PRP	640	512	2806C-E18TAG2	6 inline	18.13	125	HCI 544 F	3675 × 1536 × 2200	5850	720	
BCP 700S-50	ESP	700	560	2806C-E18TAG2	6 inline	18.13	141	HCI 544 F	3675 × 1536 × 2200	5850	720	
BCP 725P-50	PRP	725	580	4006C-23TAG2A	6 inline	22.92	159	HCI 634 G	4227 × 1832 × 2166	6754	720	
BCP 800S-50	ESP	800	640	4006C-23TAG2A	6 inline	22.92	176	HCI 634 G	4227 × 1832 × 2166	6754	720	
BCP 800P-50	PRP	800	640	4006C-23TAG3A	6 inline	22.92	175	HCI 634 G	4227 × 1832 × 2166	6754	720	
BCP 850S-50	ESP	850	680	4006C-23TAG3A	6 inline	22.92	222	HCI 634 G	4227 × 1832 × 2166	6754	720	
BCP 900P-50	PRP	900	720	4008TAG1A	8 inline	30.56	194	HCI 634 H	4940 × 1950 × 2525	10000	-	
BCP 1000S-50	ESP	1000	800	4008TAG1A	8 inline	30.56	217	HCI 634 H	4940 × 1950 × 2525	10000	-	
BCP 1000P-50	PRP	1000	800	4008TAG2A	8 inline	30.56	226	HCI 634 J	4940 × 1950 × 2525	10000	-	
BCP 1100S-50	ESP	1100	880	4008TAG2A	8 inline	30.56	286	HCI 634 J	4940 × 1950 × 2525	10000	-	
BCP 1250P-50	PRP	1250	1000	4012-46TWG2A	12 Vee	45.48	258	PI 734 A	4815 × 1775 × 2225	11000	-	
BCP 1380S-50	ESP	1380	1104	4012-46TWG2A	12 Vee	45.48	287	PI 734 B	4815 × 1775 × 2225	11000	-	
BCP 1350P-50	PRP	1350	1080	4012-46TAG1A	12 Vee	45.84	282	PI 734 B	5290 × 2020 × 2370	11600	-	
BCP 1480S-50	ESP	1480	1184	4012-46TAG1A	12 Vee	45.84	309	PI 734 B	5290 × 2020 × 2370	11600	-	
BCP 1400P-50	PRP	1500	1200	4012-46TAG2A	12 Vee	45.84	298	PI 734 C	5290 × 2020 × 2370	11600	-	
BCP 1650S-50	ESP	1650	1320	4012-46TAG2A	12 Vee	45.84	329	PI 734 C	5290 × 2020 × 2370	11600	-	
BCP 1725P-50	PRP	1725	1380	4012-46TAG3A	12 Vee	45.86	353	PI 734 E	5290 × 2020 × 2440	12150	-	
BCP 1890S-50	ESP	1890	1512	4012-46TAG3A	12 Vee	45.86	396	PI 734 E	5290 × 2020 × 2440	12150	-	
BCP 1850P-50	PRP	1850	1480	4016TAG1A	16 Vee	61.12	383	PI 734 E	6120 × 2320 × 2965	15430	-	
BCP 2000S-50	ESP	2000	1600	4016TAG1A	16 Vee	61.12	424	PI 734 E	6120 × 2320 × 2965	15430	-	
BCP 2050P-50	PRP	2050	1640	4016TAG2A	16 Vee	61.12	447	PI 734 F	6120 × 2320 × 2965	15430	-	
BCP 2230S-50	ESP	2250	1800	4016TAG2A	16 Vee	61.12	488	PI 734 F	6120 × 2320 × 2965	15430	-	
BCP 2250P-50	PRP	2250	1800	4016-61TRG3A	16 Vee	61.12	488	LVSI 804 R2	6400 × 2320 × 2965	16000	-	
BCP 2500S-50	ESP	2500	2000	4016-61TRG3A	16 Vee	61.12	542	LVSI 804 R2	6400 × 2320 × 2965	16000	-	

Product Reference Specifications JOHN DEERE POWERED RANGE 3 PHASE 380/220-415/240V												
Genset Model	Prime Rating (PRP)		Standby Rating (ESP)		Engine Specifications					Open Set Version		
	(kVA)	(kWe)	(kVA)	(kWe)	Engine Model	Cylinder Arrangement	Cubic Capacity (litres)	Fuel Cons 100% (l/h)	Alternator Model	Dimensions Length×Width×Height (mm)	Weight (wet) (kg)	Fuel Tank Capacity (litres)
BCJD 22-50	20	16	22	18	3029 DF128	3 inline	2.9	5.8	PI 144 D	1635 × 860 × 1370	820	85
BCJD 30-50	28	22	30	24	3029 DF128	3 inline	2.9	6.8	PI 144 F	1635 × 860 × 1370	830	85
BCJD 44-50	40	32	44	35	3029 TF158	3 inline	2.9	9.7	PI 144 J	2080 × 880 × 1420	870	155
BCJD 65-50	60	48	65	52	4045 TF158	4 inline	3.9	14.9	UCI 224 E	2080 × 880 × 1390	1120	155
BCJD 90-50	80	64	90	72	4045 TF258	4 inline	4.5	22.9	UCI 224 G	2270 × 860 × 1440	1284	225
BCJD 110-50	100	80	110	88	4045 HF158	4 inline	4.5	27.5	UCI 274 C	2260 × 850 × 1560	1285	225
BCJD 130-50	120	96	130	104	6068 TF258	6 inline	6.8	26.6	UCI 274 E	2700 × 800 × 1490	1675	250
BCJD 150-50	140	112	150	120	6068 HF158	6 inline	6.8	31.5	UCI 274 E	2700 × 800 × 1610	1770	250
BCJD 165-50	150	120	165	132	6068 HF158	6 inline	6.8	33.8	UCI 274 F	2700 × 800 × 1610	1790	250
BCJD 200-50	180	144	200	160	6068 HF258	6 inline	6.8	40.7	UCI 274 H	2700 × 800 × 1610	1815	250
BCJD 220-50	200	160	220	176	6081 HF001	6 inline	8.1	31.8	UCI 274 H	3060 × 1180 × 1780	2365	350
BCJD 260-50	230	184	260	208	6081 HF001	6 inline	8.1	47.6	UCDI 274 J	3060 × 1180 × 1780	2430	350
BCJD 275-50	250	200	275	220	6081 HF001	6 inline	8.1	54.0	UCDI 274 K	3060 × 1180 × 1780	2510	350
BCJD 330-50	300	240	330	264	6125 HF070	6 inline	12.5	61.4	HCI 444 D	3360 × 1150 × 2110	3500	650
BCJD 380-50	350	280	380	304	6125 HF070	6 inline	12.5	71.4	HCI 444 E	3360 × 1140 × 2110	3600	650
BCJD 440-50	400	320	440	352	6125 HF070	6 inline	12.5	81.0	HCI 444 F	3360 × 1150 × 2110	3700	650

Product Reference Specifications VOLVO POWERED RANGE 3 PHASE 380/220-415/240V												
Genset Model	Prime Rating (PRP)		Standby Rating (ESP)		Engine Specifications					Open Set Version		
	(kVA)	(kWe)	(kVA)	(kWe)	Engine Model	Cylinder Arrangement	Cubic Capacity (litres)	Fuel Cons 100% (l/h)	Alternator Model	Dimensions Length×Width×Height (mm)	Weight (wet) (kg)	Fuel Tank Capacity (litres)
BCV 300-50 E2	275	220	300	240	TAD940GE	6 inline	9.36	59.6	HCI 444 D	3320 × 1190 × 1830	3540	600
BCV 350-50 E2	315	252	350	280	TAD1341GE	6 inline	9.36	64.5	HCI 444 E	3320 × 1190 × 1830	3540	600
BCV 360-50 E2	325	260	360	288	TAD941GE	6 inline	9.36	69.9	HCI 444 E	3320 × 1190 × 1830	3445	600
BCV 385-50 E2	350	280	385	308	TAD1342GE	6 inline	12.13	71.6	HCI 444 E	3320 × 1225 × 1860	3720	720
BCV 415-50 E2	375	300	415	332	TAD1343GE	6 inline	12.13	77.1	HCI 444 F	3320 × 1225 × 1860	3720	720
BCV 440-50 E2	400	320	440	352	TAD1344GE	6 inline	12.13	84.7	HCI 444 F	3320 × 1225 × 1860	3720	720
BCV 500-50 E2	450	360	500	400	TAD1345GE	6 inline	16.12	94.0	HCI 544 C	3820 × 1250 × 2165	5050	710
BCV 550-50 E2	500	400	550	440	TAD1641GE	6 inline	16.12	102.9	HCI 544 D	3820 × 1250 × 2165	5050	710
BCV 630-50 E2	570	456	630	504	TAD1642GE	6 inline	16.12	116.9	HCI 544 E	3820 × 1250 × 2165	5050	850
BCV 700-50 E2	635	508	700	560	TWD1643GE	6 inline	16.12	129.0	HCI 544 F	3580 × 1500 × 2160	4735	850

RATING DEFINITIONS

Prime Power (PRP)

These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. There is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

Standby Power (ESP)

These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available. All 3 phase ratings at 0.8 Power Factor.

Standby Reference Conditions

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity. For de-rating, please contact Broadcrown Sales Department.

Notes

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.

For updates refer to our website, www.broadcrown.com

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