

WR274 Three-phase Land use Alternator

Frequency/RPM	50Hz (1500rpm)									60Hz (1800rpm)								
Class.Temp Rise	Cont.H-125℃/40℃			Standby-150℃/40℃			Standby-163℃/27℃			Cont.H-125℃/40℃			Standby-150℃/40℃			Standby-163℃/27℃		
Series star (V)	380	400	415	380	400	415	380	400	415	416	440	480	416	440	480	416	440	480
Parallel star (V)	190	200	208	190	200	208	190	200	208	208	220	240	208	220	240	208	220	240
Series delta (V)	220	230	240	220	230	240	220	230	240	240	254	277	240	254	277	240	254	277
WR274C Capacity(KVA)	100.0	100.0	100.0	106.0	106.0	106.0	110.0	110.0	110.0	112.5	117.5	125.0	116.3	125.0	132.5	120.0	127.5	137.5
Power (KW)	80.0	80.0	80.0	84.8	84.8	84.8	88.0	88.0	88.0	90.0	94.0	100.0	93.0	100.0	106.0	96.0	102.0	110.0
Efficiency (%)	89.8	90.3	90.6	89.5	90.0	90.4	89.2	89.8	90.2	90.2	90.6	91.1	90.0	90.2	90.8	89.8	90.1	90.6
WR274D Capacity(KVA)	114.0	120.0	114.0	121.0	127.0	121.0	125.0	130.0	125.0	131.3	137.5	146.3	137.5	145.0	156.3	142.5	150.0	158.8
Power (KW)	91.2	96.0	91.2	96.8	101.6	96.8	100.0	104.0	100.0	105.0	110.0	117.0	110.0	116.0	125.0	114.0	120.0	127.0
Efficiency (%)	90.3	90.6	91.1	91.1	91.6	91.8	91.0	91.4	91.7	90.5	90.8	91.3	91.2	91.5	92.0	91.0	91.4	91.9
WR274E Capacity(KVA)	140.0	140.0	140.0	145.0	145.0	145.0	150.0	150.0	150.0	160.0	167.5	178.8	170.0	175.0	187.5	175.0	181.3	193.8
Power (KW)	112.0	112.0	112.0	116.0	116.0	116.0	120.0	120.0	120.0	128.0	134.0	143.0	136.0	140.0	150.0	140.0	145.0	155.0
Efficiency (%)	91.3	91.7	92.0	91.1	91.6	91.8	91.0	91.4	91.7	91.4	91.7	92.1	91.2	91.5	92.0	91.0	91.4	91.9
WR274F Capacity(KVA)	160.0	160.0	160.0	170.0	170.0	170.0	175.0	175.0	175.0	181.3	190.0	206.3	187.5	200.0	212.5	192.5	206.3	218.8
Power (KW)	128.0	128.0	128.0	136.0	136.0	136.0	140.0	140.0	140.0	145.0	152.0	165.0	150.0	160.0	170.0	154.0	165.0	175.0
Efficiency (%)	92.0	92.3	92.5	91.7	92.1	92.3	91.6	92.0	92.2	92.1	92.4	92.7	92.0	92.2	92.6	91.9	92.1	92.5
WR274G Capacity(KVA)	182.0	182.0	182.0	187.0	187.0	187.0	200.0	200.0	200.0	205.0	218.5	231.4	213.0	228.8	250.0	218.5	234.0	253.3
Power (KW)	145.6	145.6	145.6	149.6	149.6	149.6	160.0	160.0	160.0	164.0	174.8	185.1	170.4	183.0	200.0	174.8	187.2	202.6
Efficiency (%)	92.0	92.4	92.6	91.9	92.2	92.5	91.7	92.1	92.3	92.2	92.4	92.7	92.0	92.2	92.5	91.9	92.1	92.5
WR274H Capacity(KVA)	200.0	200.0	200.0	212.0	212.0	212.0	220.0	220.0	220.0	237.5	245.0	255.0	250.0	258.8	275.0	256.3	265.0	280.0
Power (KW)	160.0	160.0	160.0	169.6	169.6	169.6	176.0	176.0	176.0	190.0	196.0	204.0	200.0	207.0	220.0	205.0	212.0	224.0
Efficiency (%)	93.0	93.3	93.4	92.8	93.1	93.3	92.7	93.0	93.2	93.0	93.2	93.6	92.8	93.1	93.4	92.7	93.0	93.3
WR274J Capacity(KVA)	225.0	225.0	225.0	238.0	238.0	238.0	245.0	245.0	245.0	281.0	289.0	300.0	295.0	303.0	321.0	300.9	309.9	325.0
Power (KW)	180.0	180.0	180.0	190.8	190.8	190.8	196.5	196.5	196.5	225.0	231.7	240.0	236.0	243.0	257.0	241.9	249.0	261.0
Efficiency (%)	92.4	92.6	92.6	92.6	92.6	92.6	92.7	92.4	92.4	92.8	92.8	92.8	92.6	92.6	92.6	92.4	92.4	92.4
WR274K Capacity(KVA)	250.0	250.0	250.0	262.5	262.5	262.5	270.0	270.0	270.0	291.0	299.0	312.5	305.0	315.0	333.9	312.6	321.9	337.9
Power (KW)	200.0	200.0	200.0	210.0	210.0	210.0	216.0	216.0	216.0	232.8	232.8	250.0	244.0	252.5	267.6	249.8	257.2	270.0
Efficiency (%)	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.8	92.6	92.9	92.8	92.8	92.8	92.8	92.8	92.8

WR274 Single-Phase Cont.H Temperature Rise125℃ (4Wire)								
Frequency/RPM	50Hz1500rpm		50Hz1500rpm		60Hz1800rpm		60Hz1800rpm	
Power Factor	0.8		1.0		0.8		1.0	
Voltage	220V—240V		220V—240V		220V—240V		220V—240V	
Winding	05	05	05	05	06	06	06	06
Power/Capacity	KW	KVA	KW	KVA	KW	KVA	KW	KVA
WR274C	52. 8	66. 0	66. 0	66. 0	67. 0	84. 0	90. 0	90. 0
WR274D	59. 2	74. 0	74. 0	74. 0	77. 0	96. 0	100. 0	100. 0
WR274E	75. 2	94. 0	94. 0	94. 0	90. 0	112. 0	115. 0	115. 0
WR274F	88. 0	110. 0	110. 0	110. 0	108. 0	135. 0	135. 0	135. 0
WR274G	96. 0	120. 0	120. 0	120. 0	120. 0	150. 0	150. 0	150. 0
WR274H	112. 0	140. 0	140. 0	140. 0	125. 0	156. 3	156. 3	156. 3

WR274 Single-Phase Cont.H Temperature Rise125℃ (12Wire)								
Frequency/Voltage	50HZ 230V		60HZ 220V		60HZ 230V		60HZ 240V	
Power Factor	0.8							
Winding	311		312		312		312	
Power/Capacity	KW	KVA	KW	KVA	KW	KVA	KW	KVA
WR274C	48.0	60.0	49.0	61.3	51.5	64.4	54.0	67.5
WR274D	54.4	68.0	57.6	72.0	60.0	75.0	63.0	79.0
WR274E	68.0	85.0	67.2	84.0	72.0	90.0	77.0	96.0
WR274F	76.8	96.0	78.0	97.5	82.5	103.1	87.0	109.0
WR274G	84.0	105.0	86.0	107.5	90.0	112.5	96.0	120.0
WR274H	96.0	120.0	102.0	127.5	108.0	135.0	114.0	142.5

- *All industrial ratings are 3 phase based on 40 ℃ ambient temperature and 1000m altitude.
- *Marine ratings are based on 45 ℃ ambient unrestricted use.
- *All voltages listed are available from a single broad-range windings except 600V, 60Hz which requires a different winding, also all units *are reconnectable with 12 ends brought out to the terminals.
- *Other voltages will be considered on request.