

Mbsm.pro, compressor , Embraco, EGUS 80HLP, EGUS80HLP, lbp, 1/4 hp, r134a

Category: compressor

written by www.mbsm.pro | 10 November 2024



Embraco EGUS 80HLP compressor along with its specifications and details related to LBP (Low Back Pressure) applications:

Specification	Details
Model	EGUS 80HLP
Type	Hermetic Compressor
Refrigerant	R-134a
Voltage	115-127V / 220-240V
Frequency	60 Hz (for 115V) / 50 Hz (for 220V)
Nominal Horsepower	1/4 HP (0.25 HP)
Displacement	6.36 cm ³
Cooling Capacity @ -10°F	840 BTU
Cooling Capacity @ 20°F	1995 BTU
Cooling Capacity @ 45°F	3530 BTU
Power Consumption	Approximately 187 watts (0.24 kW)
Application Type	Designed for LBP applications, adaptable for medium/high back pressure (M/HBP) applications
Typical Uses	<ul style="list-style-type: none">– Refrigerators– Freezers– Ice machines– Commercial displays and vending machines

This table provides a comprehensive overview of the Embraco EGUS 80HLP compressor, highlighting its specifications, performance metrics, and suitability for low back pressure applications.



EM2U80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,32	197	6,76	ISO10	RSCR	LST	ASHRAE32
EM2U80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,32	197	6,76	ISO10	RSCR - 12 µF	LST	ASHRAE32
EM2U80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,32	197	6,76	ISO10	RSCR - 15 µF	LST	ASHRAE32
EM2U80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,46	199	6,76	ISO10	RSCR - 12 µF	LST	ASHRAE32
EM2U80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,46	199	6,76	ISO10	RSCR - 15 µF	LST	ASHRAE32
EM2U80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,42	199	6,76	ISO10	RSIR	LST	ASHRAE32
EGUS80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,38	203	6,36	ISO10	RSIR	LST	ASHRAE32
EGD80HLC	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,59	204	6,44	ISO10	RSCR - 12 µF	LST	ASHRAE32

EGAS80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,24	204	6,44	ISO10	RSIR	LST	ASHRAE32
EGAS80HLR	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4+	1,32	205	6,36	ISO10	RSIR-CSIR	LST	ASHRAE32
EGX80HLC	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,55	205	6,36	ISO10	RSCR - 12 µF	LST	ASHRAE32
EM2280HLT	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,51	205	6,76	ISO10	RSCR - 12 µF	LST	ASHRAE32
EM2280HLT	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,51	205	6,76	ISO10	RSCR - 15 µF	LST	ASHRAE32
ONE 80HLP	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,44	207	6,36	ISO10	RSIR	LST	ASHRAE32
EGD80HLC	R-134a	115-127 V 60 Hz 1 ~	60 Hz	LBP	1/4	1,59	204	6,44	ISO10	RSCR - 12 µF	LST	ASHRAE32

Mbsm.pro, Compressor, CRAQ-0150-PFV-501, Copeland, 1-1/2 HP, 208-230V, 1 PH, 17,000 BTU, R22, R407C, Hermetic

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Copeland™ Three Phase Compressor Models							
TONNAGE	CR6/5 Ton	CRKQ	CR7	CR1,2,3	CRKF	CRKH	ZRK5/K3
1.5T	CR18K6-TF5	CR18KQ-TF5		CRA1-0150-TF5			
	CR18K6-TFD	CR18KQ-TFD		CRA1-0150-TFC			
	CR22K6-TF5			CRA1-0150-TFD			
	CR22K6-TFD			CRC1-0175-TF5			
2T	CR24K6-TF5	CR24KQ-TF5		CRD1-0200-TF5			ZR21K5-TF5
	CR24K6-TFD	CR24KQ-TFD		CRD1-0200-TFD			ZR21K5-TFD
	CR28K6-TF5	CR28KQ-TF5	CR28K7-TF5	CRE1-0225-TF5			ZR25K5-TF5
	CR28K6-TFD	CR28KQ-TFD		CRE1-0225-TFD			ZR25K5-TFD
	CR30K6-TF5						ZR28K5-TF5
	CR30K6-TFD						ZR28K5-TFD
3T	CR32K6-TF5	CR32KQ-TF5	CR31K7-TF5	CRF1-0250-TFD			ZR28K5-TF5
		CR33KQ-TF5		CRF1-0250-TF5			ZR32K5-TF5
	CR32K6-TFD	CR32KQ-TFD		CRG3-0250-TF5			
		CR33KQ-TFD		CRG3-0250-TFD			ZR32K5-TFD
	CR32K6-TFE						ZR32K5-TFE
	CR35K6-TF5	CR34KQ-TF5		CRH3-0275-TF5			ZR32K5-TF5
		CR36KQ-TF5		CRH3-0275-TFD			
	CR35K6-TFD	CR34KQ-TFD		CRH3-0275-TFE			ZR32K5-TFD
	CR35K6-TFE			CRH3-0275-TFE			ZR32K5-TFE
	CR38K6-TF5	CR37KQ-TF5		CRJ3-0300-TF5			ZR38K5-TF5
	CR38K6-TFD	CR37KQ-TFD		CRJ3-0300-TFD			ZR38K5-TFD
	CR38K6-TFE			CRJ3-0300-TFE			ZR38K5-TFE
3.5T	CR42K6-TF5	CR41KQ-TF5		CRK3-0325-TF5			ZR42K5-TF5
	CR42K6-TFD	CR41KQ-TFD		CRK3-0325-TFD			ZR42K5-TFD
	CR42K6-TFE	CR41KQ-TFE		CRK3-0325-TFE			ZR42K5-TFE
		CR47KQ-TF5		CRL3-0350-TF5			ZR48K5-TF5
4T		CR47KQ-TFD		CRL3-0350-TFD			ZR48K5-TFD

Code	Hz-Phase-Volts
PFV	60-1-208/230
PFJ	60-1-265
TF5	60-3-200/230
TFD	60-3-460
TFE	60-3-575

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[copeland-service-cr-compressor-cross-reference-manual-guide-en-us-1569036Download](#)

The compressor model CRAQ-0150-PFV-501 is a Hermetic compressor manufactured by Copeland. It is a 1-phase, 208/230V compressor designed for air conditioning applications. The compressor uses HCFC or R-22 refrigerant and operates at 60Hz. Here are some of the key specifications of the CRAQ-0150-PFV-501 compressor:

- **Capacity:** 18,300 – 23,900 BTU/hr
- **Power:** 1,910 – 1,520 W
- **Current:** 8.8 – 7.0 Amps
- **EER:** 9.6 – 15.7 BTU/Wh
- **Mass Flow:** 268 – 308 lbs/hr
- **Sound Power:** 72 – 77 dBA
- **Vibration:** 1.7 – 2.7 mils (peak-peak)
- **Displacement:** 2.00 in³/Rev
- **Overall Length:** 9.44 in
- **Overall Width:** 9.13 in
- **Overall Height:** 13.56 in
- **Mounting Length:** 7.50 in
- **Mounting Width:** 7.50 in
- **Mounting Height:** 13.94 in
- **Suction Size:** 5/8 in
- **Discharge Size:** 3/8 in
- **Initial Oil Charge:** 55 oz
- **Oil Recharge:** 51 oz
- **Net Weight:** 61.0 lbs
- **Internal Free Volume:** 345.0 in³

This compressor is no longer in production and has been replaced by newer, more efficient models. However, it is still a popular choice for replacement applications due to its reliability and performance.

Mbsm.pro, Compressor, QX-34F050, 2 hp, r22, GREE, Rotary Compressor, 20185Btu

Category: compressor

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QX-34F050 is a model number for a rotary compressor, specifically the Gree Landa Compressor QX-34F050gA.

Key Features:

- **Refrigerant:** R22
- **Input Power:** 1810W
- **Cooling Capacity:** 20185 BTU/H
- **Voltage:** 220-240V, 50Hz
- **Applications:** Air conditioning, dryers, refrigeration, chillers, etc.



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ROTARY COMPRESSOR NOMENCLATURE

命名方式一 Naming Rule I

Q X C S H - B 17 x B 0 90 A

旋转式压缩机 Rotary Compressor

Q	X	C	S	H	-	B	17	x	B	0	90	A
公司代码 Humatic	压缩机形式 Y 旋转式 Rotary Vertical Rotary Horizontal					排量 Displ.		分路系统 Accumulator Spec.	安装板尺寸 Mounting Plate Spec.	安装板角度 Angle of Mounting Plate	改进序号 Serial No. of improvement	
代号 Code	制冷剂 Refrigerant	代号 Code	气缸结构 Structure of Cylinder	代号 Code	应用 Application	系列代号 Code of Series	定子外径 Outer Dia. of Stator	代号 Code	电源 Power supply			
.....	R22	单缸 Single Cylinder	T1	A	Φ101	220V-240V, 50Hz			
A	R410A				T3	B	Φ112		208V-230V, 60Hz			
B	CO2	S	双缸双级 Twin-Cylinder & Single-stage	R	热泵/除湿器 HPWH	C	Φ121.7	x	115V, 60Hz			
C	R407C	T	双缸双级 Twin-Cylinder & Twin-stage	L	低温冷藏 Low Temp. Refrigeration	D	Φ125	v	127V, 60Hz			
D	R290	V	双缸双级 Twin-Cylinder & Variable Displacement	K	风管机 Duct AC	E	Φ133.5	j	交流变频 AC inverter			
E	R134a	N	双缸双级 Twin-Cylinder & Twin-stage & Variable Displacement	M	干衣机 Clothes Dryer	F	Φ139	z	直流变频 DC inverter			
F	R32	W	三缸双级 Three-Cylinder & Twin-stage & Variable Displacement	O	除湿机 Dehumidifier	G	Φ88	s	380V, 50Hz, 三相电源 Three-phase power supply			
G	R404A			Y	移动式 Mobile AC	H	Φ161	w	220V, 60Hz, 三相电源 Three-phase power supply			
I	R417A			P	低电压应用 Low Voltage AC	I	Φ56.6	u	265V, 60Hz			
J	R600a					J	Φ81.4	t	230V, 50Hz			
						K	Φ107	i	220V, 60Hz			
						N	Φ94	m	380V, 60Hz, 三相电源 Three-phase power supply			
						T	Φ150					
						P	Φ50.2					
						U	Φ59.8					

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Model	QX-34F050gA
Displacement	33.7ML/REV
Input	1810W
Capacity	5916W 20185BTU/H
Refrigerant	R22
Voltage	220-240V.50HZ
Cop	3.27W/W
Height	327mm
Usage	T1 working condition

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T1 R22 \ [1φ] 220-240V 50Hz									
系列 Series	压缩机型号 Model	排量 Displ. (CC)	冷量 Capacity (Btu/h)	制冷量 Refrigerating capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor (μF)	压缩机高度 Compressor height (mm)	测试工况 Test conditions
C	QX-C202	20.2	12912	3784	870	4.35	35μF/450V	293	高性能工况
		20.2	13608	3360	1050	3.20			ASHRAE/T
	QX-C214	21.1	12010	3988	917	4.35	35μF/450V	293	高性能工况
		21.1	12584	3520	1100	3.20			ASHRAE/T
	QX-C217	21.7	12584	3682	1150	3.20	35μF/450V	293	ASHRAE/T
	QX-C222	22.2	12999	3810	1189	3.20	35μF/450V	293	ASHRAE/T
D	QX-C229	22.9	13384	3917	1223	3.20	35μF/450V	293	ASHRAE/T
	QX-C238	23.8	13817	4049	1277	3.17	35μF/450V	293	ASHRAE/T
	QX-D273	27.3	15870	4651	1452	3.20	45μF/450V	307	ASHRAE/T
	QX-D287	28.7	16719	4989	1485	3.30	50μF/450V	307	ASHRAE/T
	QX-D29	29.0	16810	4927	1579	3.12	40μF/450V	307	ASHRAE/T
	QX-D295	29.8	17333	5080	1539	3.30	50μF/450V	307	ASHRAE/T
F	QX-D305	30.7	17913	5250	1591	3.30	50μF/450V	307	ASHRAE/T
	QX-32	31.5	18054	5467	1735	3.15	45μF/450V	307	ASHRAE/T
	QX-D336	33.6	20185	5916	1896	3.12	50μF/450V	307	ASHRAE/T
	QX-F295	29.6	19517	5720	1285	4.45	45μF/450V	321	高性能工况
		29.8	17489	5120	1552	3.30	45μF/450V		ASHRAE/T
	QX-F305	30.6	20421	5985	1345	4.45	50μF/450V	311	高性能 T 况
		30.6	18049	5290	1603	3.30	50μF/450V		ASHRAE/T
	QX-F325	32.5	19350	5671	1746	3.25	50μF/450V	312	ASHRAE/T
	QX-34	33.7	20185	5916	1810	3.27	55μF/450V	327	ASHRAE/T
	QX-F36	35.6	21325	6250	1923	3.25	55μF/450V	327	ASHRAE/T
	QX-37	36.8	22100	6477	1991	3.25	60μF/450V	327	ASHRAE/T

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Brand Name	GREE LANDA	Application	Air condition
Model Number	QX-34F050gA	Type	Rotary Compressor
Cooling Capacity(Btu)	20185Btu/h	Horse Power	2HP
Refrigerating capacity(W)	5916W	Displacement(CC)	33.7
Refrigerant	R22	Weight	20KG
Power	1810W	Phase	1
Certification	CE, RoHS	Voltage	220-240V
Height(mm)	327	Frequency	50Hz
Capacitor	55μf/450V	Warranty	1 year
Dimensions of Mouting Plate	φ170	Mouting Plate Angle	50
MOQ	1 pallet	Price	60~80PCS USD 76.95
Place of Origin	China (Mainland)	Port	Zhuhai

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Mbsm.pro, Compressor, KULTHORN, c-bzN101, 1/8 hp, lbp, 100 w, r134a, C-BZN140L5Z (1/6Hp), C-BZN175L5Z (1/5Hp), C-BZN200L5R (1/4Hp), C-

BZN250L5W (1/3Hp)

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c-bzN101 appears to be a model number for a KULTHORN refrigerator compressor. It's specifically a 1/8HP compressor, which is commonly used in smaller refrigerators.

Mbsm.pro, Compressor, SAMSUNG,

MKV190GL2J, Bldc, Inverter, from 93 to 210 w, lbp, r134a, from 560 btu/h to 1167 btu/h

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R 134a LBP

RATED VOLTAGE	MODEL	VOLTAGE	RUNNING RPM	ASHRAE								COOLIN TYPE
				COOLING CAPACITY			POWER INPUT	EFFICIENCY				
		[V-Hz]		Kcal/Hr	Watt	BTU/Hr		W	Kcal/Whr	W/W	BTU/Whr	
AC 115V-60Hz	MKV172C-L2J	115-60	1800	110	128	437	72	1.53	1.78	6.07	FC	
			2200	135	157	536	90	1.50	1.74	5.96		
			2880	176	205	699	120	1.47	1.71	5.82		
			3480	212	247	842	151	1.40	1.63	5.57		
			3600	223	259	885	160	1.39	1.62	5.53		
	MKV190C-L2B	115-60	1800	146	170	580	89	1.64	1.91	6.51	FC	
			2200	174	202	691	107	1.63	1.89	6.46		
			2880	227	264	901	145	1.57	1.82	6.22		
			3480	274	319	1088	186	1.47	1.71	5.85		
			3600	294	342	1167	200	1.47	1.71	5.84		
	MKV190C-L2J	115-60	1800	146	170	580	93	1.57	1.83	6.23	FC	
			2200	174	202	691	113	1.54	1.79	6.11		
			2880	227	264	901	152	1.49	1.74	5.93		
			3480	274	319	1088	195	1.41	1.63	5.58		
			3600	294	342	1167	210	1.40	1.63	5.56		
AC 220-240V-50Hz, 220V-60Hz	MKV172G-L2J	220-50/60	1800	110	128	437	72	1.53	1.78	6.07	FC	
			2200	135	157	536	90	1.50	1.74	5.96		
			2880	176	205	699	120	1.47	1.71	5.82		
			3480	212	247	842	151	1.40	1.63	5.57		
			3600	223	259	885	160	1.39	1.62	5.53		
	MKV190G-L2B	220-50/60	1800	146	170	580	89	1.64	1.91	6.51	FC	
			2200	174	202	691	107	1.63	1.89	6.46		
			2880	227	264	901	145	1.57	1.82	6.22		
			3480	274	319	1088	186	1.47	1.71	5.85		
			3600	294	342	1167	200	1.47	1.71	5.84		
	MKV190G-L2J	220-50/60	1800	146	170	580	93	1.57	1.83	6.23	FC	
			2200	174	202	691	113	1.54	1.79	6.11		
			2880	227	264	901	152	1.49	1.74	5.93		
			3480	274	319	1088	195	1.41	1.63	5.58		
			3600	294	342	1167	210	1.40	1.63	5.56		
AC 200-240V-50Hz, 220V-60Hz	MSV162A-L1J	220-60	1400	80	93	318	56	1.43	1.66	5.67	ST	
			2000	105	122	417	70	1.50	1.74	5.96		
			3000	155	180	615	105	1.48	1.72	5.86		
			4000	210	244	834	143	1.47	1.71	5.83		
	MSV162A-L1B	220-60	1200	60	70	238	43	1.40	1.62	5.54	ST	
			2000	105	122	417	68	1.54	1.80	6.13		
			3000	155	180	615	103	1.50	1.75	5.97		
			4300	225	262	893	160	1.41	1.64	5.58		
	MSV172A-L1B	220-60	1200	67	78	266	50	1.34	1.56	5.32	ST	
			2000	123	143	488	79	1.56	1.81	6.18		
			3000	192	223	762	125	1.54	1.79	6.10		
			4300	256	298	1016	188	1.36	1.58	5.41		

COOLING TYPE
FC : Fan cooling
OC : Oil cooling
ST : Static

ASHRAE CONDITIONS (LBP)
Evaporating Temp. : -23.3°C (-10°F)
Condensing Temp. : 54.4°C (130°F)
Gas Superheated to : 32.2°C (90°F)
Liquid sub-cooled to : 32.2°C (90°F)
Ambient Temp. : 32.2°C (90°F)

UNIT CONVERSION
1 watt = 3.41 Btu/Hr
1 watt = 0.86 Kcal/Hr
1 Kcal/Hr = 3.97 Btu/Hr

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Mbsm.pro, Compressor, MC57LAEM, Lg, 171 w, 1/5 hp, r134a, Lbp

Category: compressor



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- **Type:** Reciprocating compressor
- **Frequency:** 50Hz
- **Voltage:** 220-240V
- **Displacement:** 5.7 cm³/rev
- **Cooling Capacity:** 147 kcal/h
- **Input Power:** 171 W
- **COP:** 0.229
- **EER:** 106
- **HP:** 1/5 hp

This compressor is known for its reliable performance, energy efficiency, and quiet operation. It's a popular choice for replacement in various refrigeration appliances.



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R134a	LBP	220-240	50	MA62LDJM	6.2	150	174	596	1/5+	122	1.4	4.88	-	-	-	-	-	-
				MA62LBEG	6.2	150	174	596	1/5+	127	1.4	4.69	-	-	-	-	-	-
				MA62LCEG	6.2	150	174	596	1/5+	127	1.4	4.69	-	-	-	-	-	-
				MA69LAEM	6.9	172	200	683	1/4+	148	1.4	4.61	-	-	-	-	-	-
				MA69LHEP	6.9	170	198	675	1/4+	159	1.2	4.24	-	-	-	-	-	-
				MA69LKEM	6.9	169	197	671	1/4+	135	1.5	4.97	-	-	-	-	-	-
				MA69LJEG	6.9	169	197	671	1/4+	152	1.3	4.41	-	-	-	-	-	-
				MA69LJEP	6.9	169	197	671	1/4+	152	1.3	4.41	-	-	-	-	-	-
				MA69LHEM	6.9	169	197	671	1/4+	146	1.4	4.61	-	-	-	-	-	-
				MA69LHEG	6.9	169	197	671	1/4+	152	1.3	4.41	-	-	-	-	-	-
				MA72LBEG	7.2	180	209	715	1/4+	162	1.3	4.41	-	-	-	-	-	-
				MA72LHEM	7.2	180	209	715	1/4+	155	1.4	4.61	-	-	-	-	-	-
				MA72LKEM	7.2	180	209	715	1/4+	144	1.5	4.96	-	-	-	-	-	-
				MA72LBEM	7.2	180	209	715	1/4+	155	1.4	4.61	-	-	-	-	-	-
				MA72LJEP *	7.2	180	209	715	1/4+	162	1.3	4.41	-	-	-	-	-	-
				MA72LJEG *	7.2	180	209	715	1/4+	162	1.3	4.41	-	-	-	-	-	-
				MA72LHEG	7.2	180	209	715	1/4+	162	1.3	4.41	-	-	-	-	-	-
				MA88LAEP	8.8	235	273	933	1/3+	227	1.2	4.11	-	-	-	-	-	-
		220-240 220	50 60	MA53LATG	5.3	124	144	492	1/6+	123	1.2	4.00	146	169	580	132	1	4.4
		220-240	50	MA53LHEM	5.3	140	163	556	1/5+	104	1.6	5.34	-	-	-	-	-	-
				MC53LBEM	5.3	139	162	552	1/5+	105	1.5	5.26	-	-	-	-	-	-
				MC57LAEM	5.7	147	171	584	1/5+	106	1.6	5.50	-	-	-	-	-	-
				MC57LBEM	5.7	147	171	584	1/5+	106	1.6	5.50	-	-	-	-	-	-
		220	50	MA57LBEM	5.7	145	169	576	1/5+	109	1.5	5.28	-	-	-	-	-	-
	HBP	220-240	50	MA53HAEF	5.3	440	512	1747	1/5+	233	2.2	7.50	-	-	-	-	-	-
				MA42HJEP	4.2	355	413	1409	1/7	180	2.3	7.83	-	-	-	-	-	-
				MA62HAEF	6.2	520	605	2064	1/5+	275	2.2	7.51	-	-	-	-	-	-
				MA62HAEF	6.2	520	605	2064	1/5+	275	2.2	7.51	-	-	-	-	-	-
				MA53HJEP	5.3	440	512	1747	1/5	233	2.2	7.50	-	-	-	-	-	-
				MA72HAEF	7.2	630	733	2501	1/4+	355	2.1	7.05	-	-	-	-	-	-

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