

Motor/Engine:	MAN E 2842 E312
Leistung/Power:	250 kW @ 1500min ⁻¹
Zyl/Cylinders:	V12
Venturi:	GM 140/70 GMA 58
Gas:	Natural
Lambda:	1

Pos.	Qty.	Description	Item	HZN
1		Speed/ Load Control PANDAROS 2080		
	1	Controller PANDAROS	DC 2080.6-19	624-00-064-00
	1	Actuator Throttle Valve	StG 2080.21-SV	514-00-009-00
	1	Cable Harness Actuator	10m	620-81-256-6005
	1	Cable Harness Pickup	10m	620-81-248-6005
	1	Lever arm	RH 2080-01	514-80-001-00
	1	Pickup 5/8" - 18 UNF-2A	IA 12-76	600-00-006-02
2.1		GM E-LES SMC Positioner		
	1	Gas mixer Housing	GM 140-01	463-80-000-02
	1	Venturi Insert Natural Gas*	VE-140-0701-24-S12-5,0	463-83-702-50
	1	Mounting plate Rp 2"	MP 140	463-19-025-00
	1	Electronically controlled MAS E-LES 50.3 SMC		472-00-021-00
	1	Cable harness (Input 4-20mA, 0-5V, PWM, Feedback, Ref, Stop, Error) 10 m		490-81-012-00

*note: For the correct dimension of the venturi insert the gas data must be known. Please fill out the order information and send this to the head office. <http://www.heinzmann.de/en/engine-and-turbine-management/system-solutions/gas-engine-management>

2.2		AFR-Control KRONOS 20 (Optional)		
	1	Controller Closed Loop	KRONOS 20-01 CL-LS	620-00-118-04
	1	Combined Pressure/ Temp.sensor		600-00-082-00
	1	Cable Harness Sensor		600-81-051-00
	1	Lambda Sensor $\lambda=1$		010-80-020-02
	1	Cable for Lambda Sensor		600-81-054-00
	1	Pick up isolator *)	PUI-01	300-00-175-00
		or		
	1	Pickup 5/8" - 18 UNF-2A *)	IA 12-76	600-00-006-02
	1	Cable Harness Pickup *)	10 m	620-81-047-10

*) If PANDAROS DC XX.6-19 is used, alternatively, engine speed can be read via HZM-CAN.

In this case, please order 620-00-118-04 with software

Kronos20_ac004XX_CL_Lambda1_HZMCAN_AC_DC.dwn

Pos.	Qty.	Description	Item	HZN
3		Ignition Control PHLOX II 12 Cylinder		
	1	Controller PHLOX	PHLOX II IC-12	680-00-010-01
	1	Cable Harness Input or	without CAN	680-81-002-17
	1	Cable Harness Input	with CAN	680-81-002-18
	1	Pickup camshaft	HIA-M12-76	600-00-140-00
	1	Ignition Rail 12 cyl. with cable harness, mounting set and ignition coils grey; left		Z00-21-086-00
	1	Ignition Rail 12 cyl. with cable harness, mounting set and ignition coils grey; right		Z00-21-087-00
	12	Ignition lead w ring connector for M6		Z00-19-038-00
4		Knock control system ARIADNE 12 Cylinder		
	1	Knock controller	KC 01-IP 00	620-00-137-12
	12	Knocksensor	KS 1-01	010-80-022-00
	12	Connecting Cable Knock Sensor		600-81-082-00
	1	Pickup camshaft *)	HIA-M12-76	600-00-140-00
	1	Cable for Pickup HIA S3 / M12 *)	10 m	620-81-177-00

*note: Pickup may be shared with the ignition system by using a splitter. Pickup or splitter not necessary in combination with Heinzmann ignition system PHLOX.